

FIG. 15

376

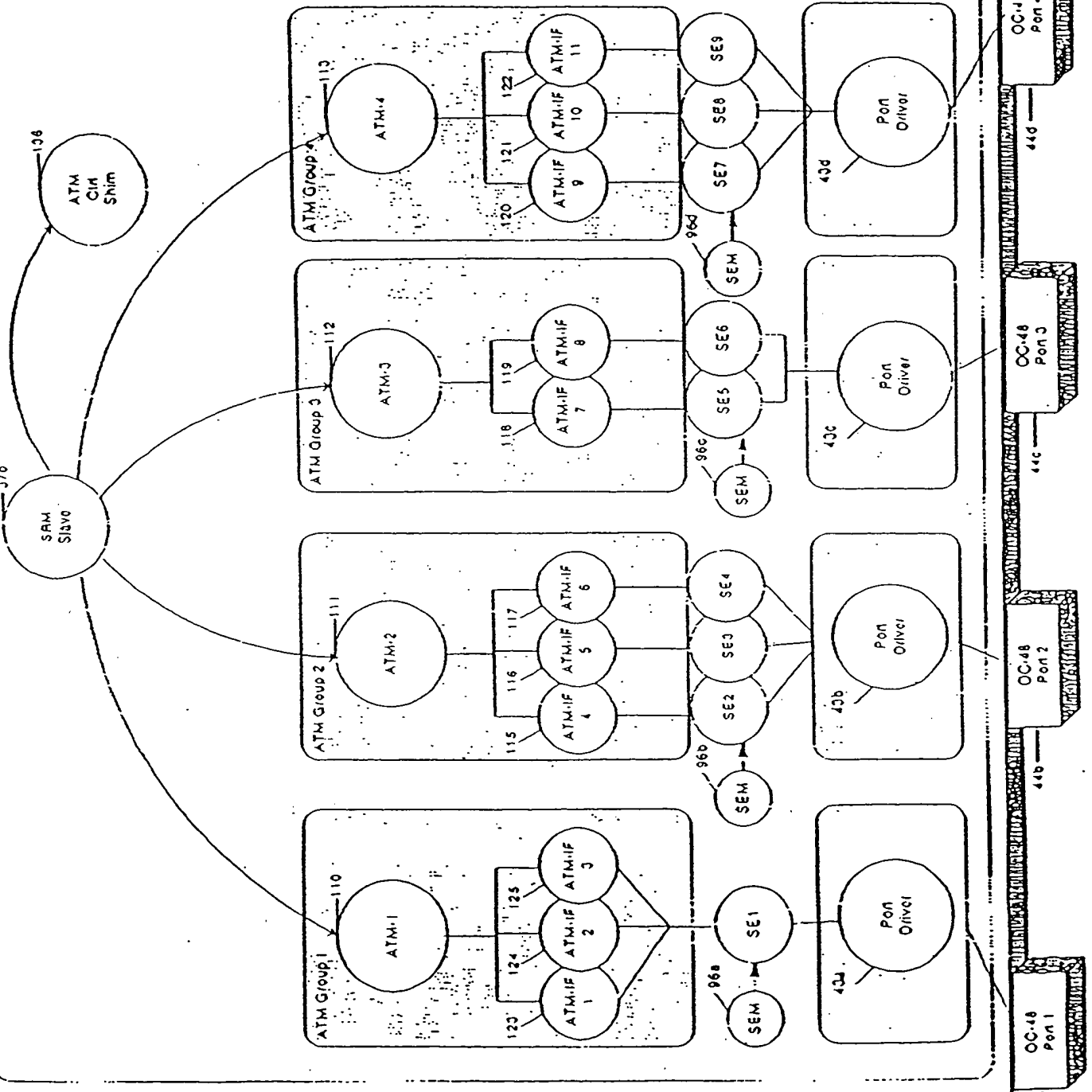


FIG. 16a

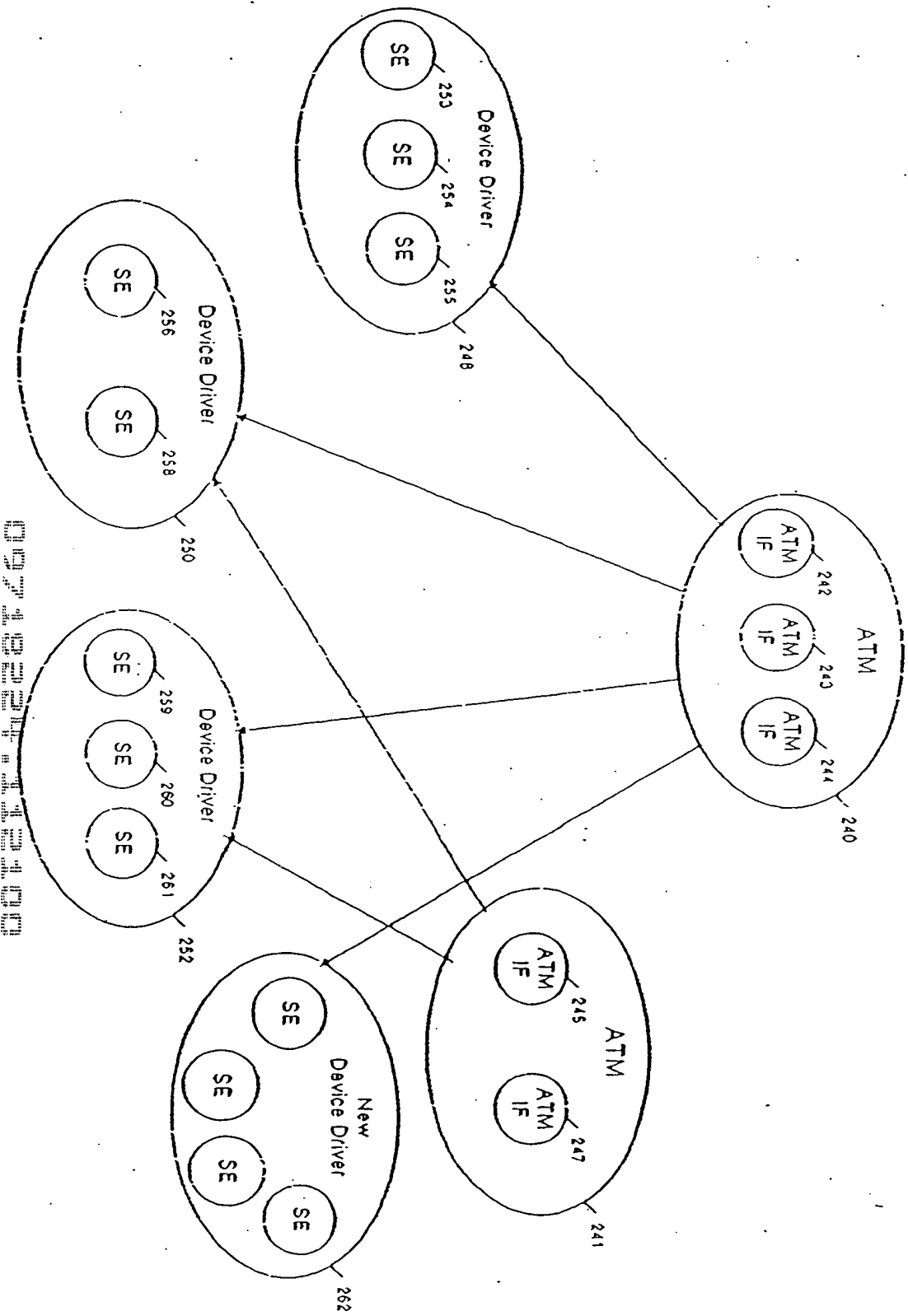


FIG. 16b

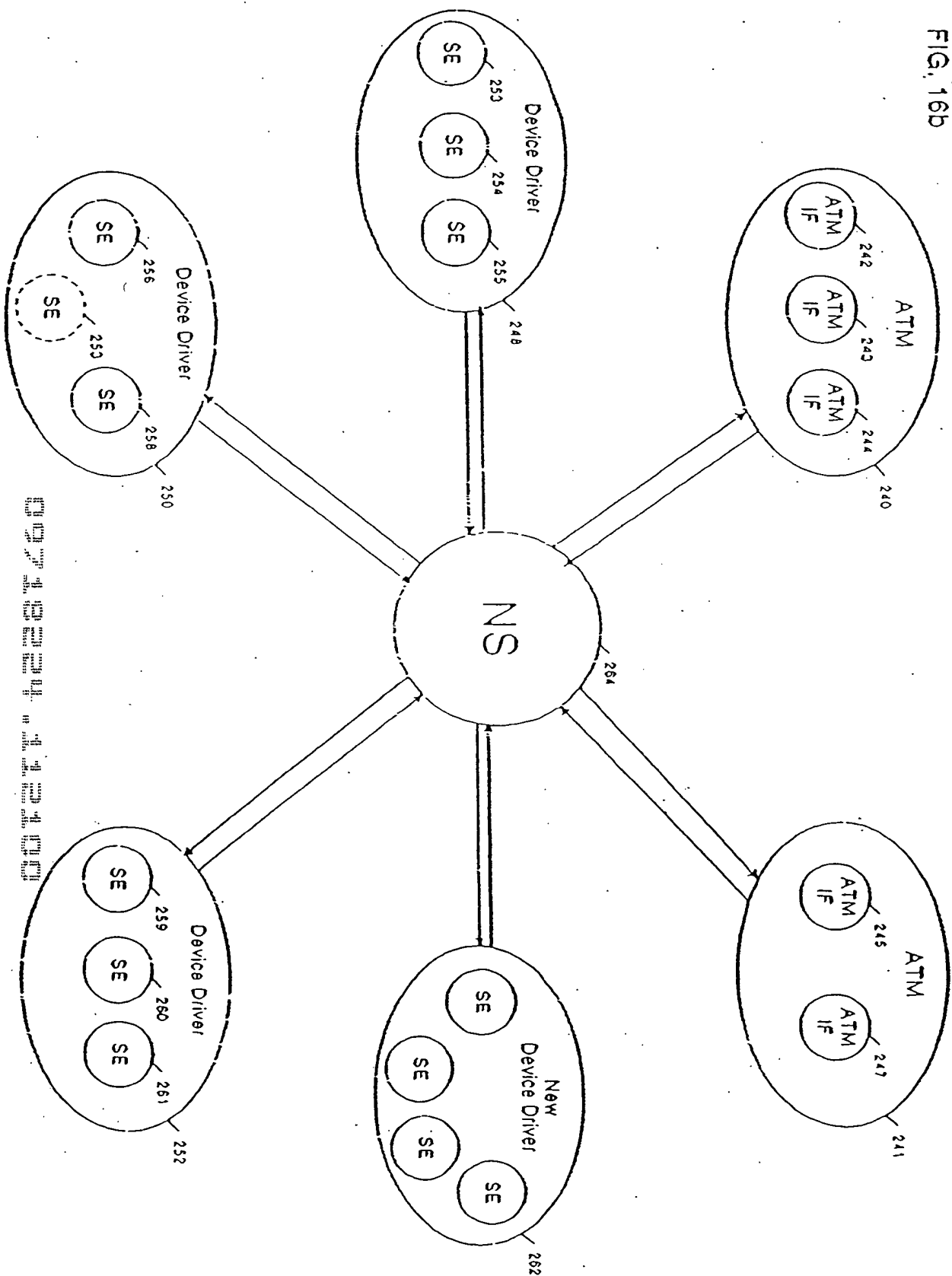


FIG. 16b is a block diagram of a network topology.

FIG. 16c

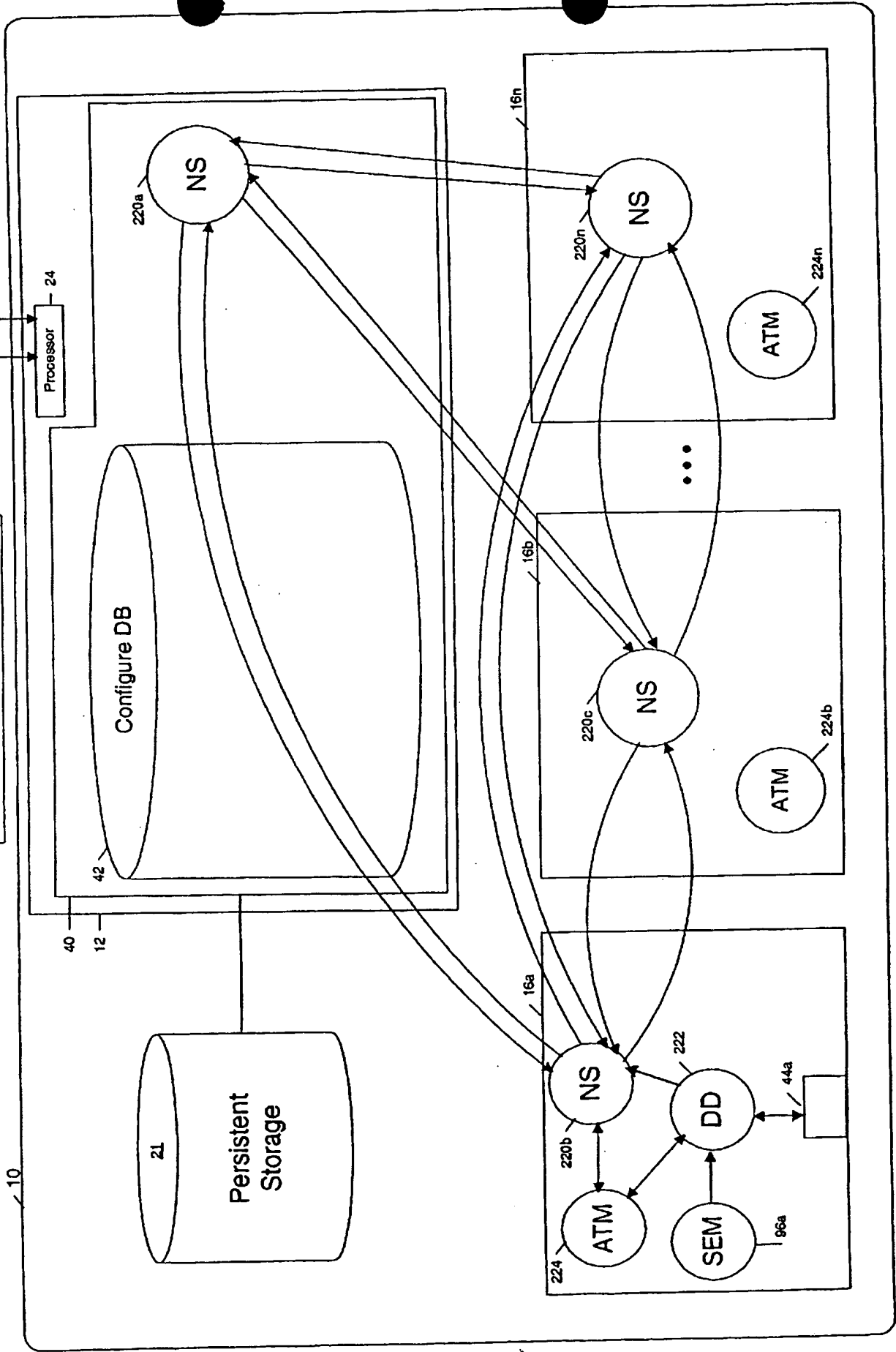


FIG. 16d

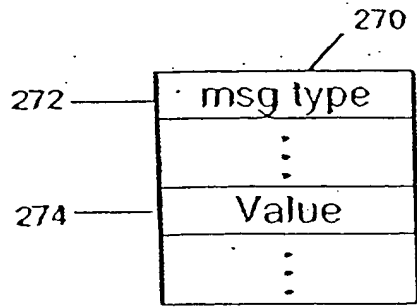


FIG. 17

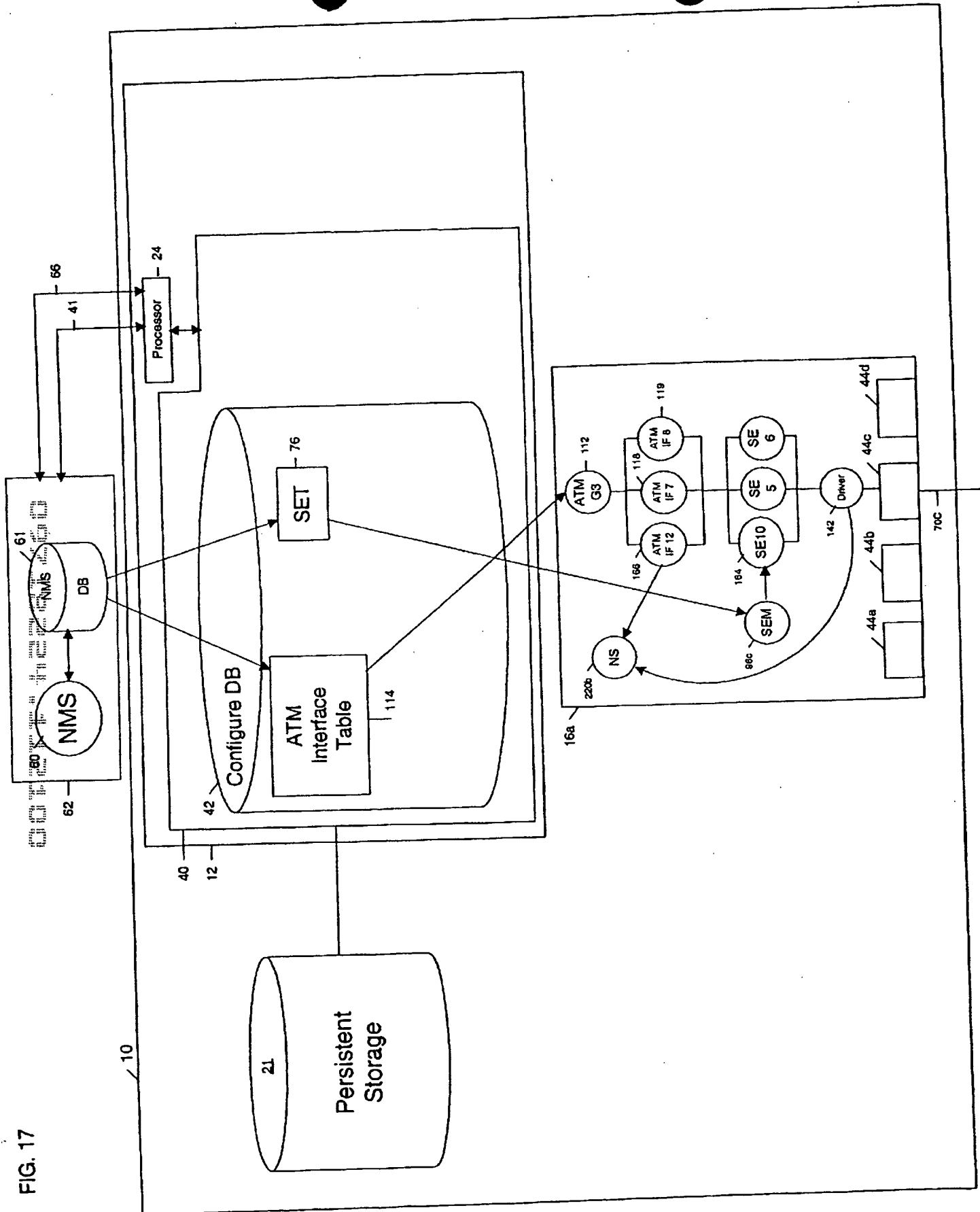


FIG. 18

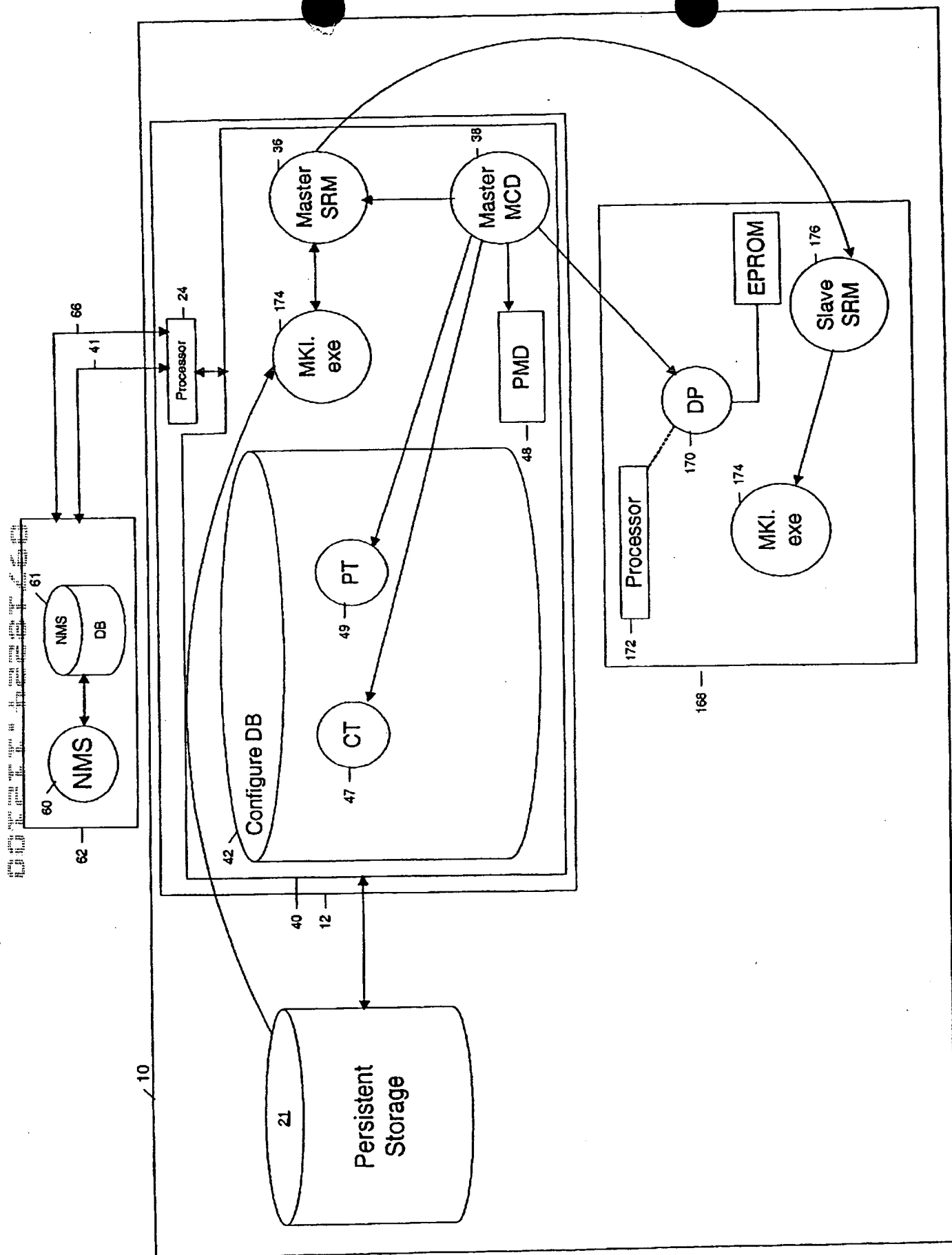


FIG. 19

Downloaded from www.digikey.com

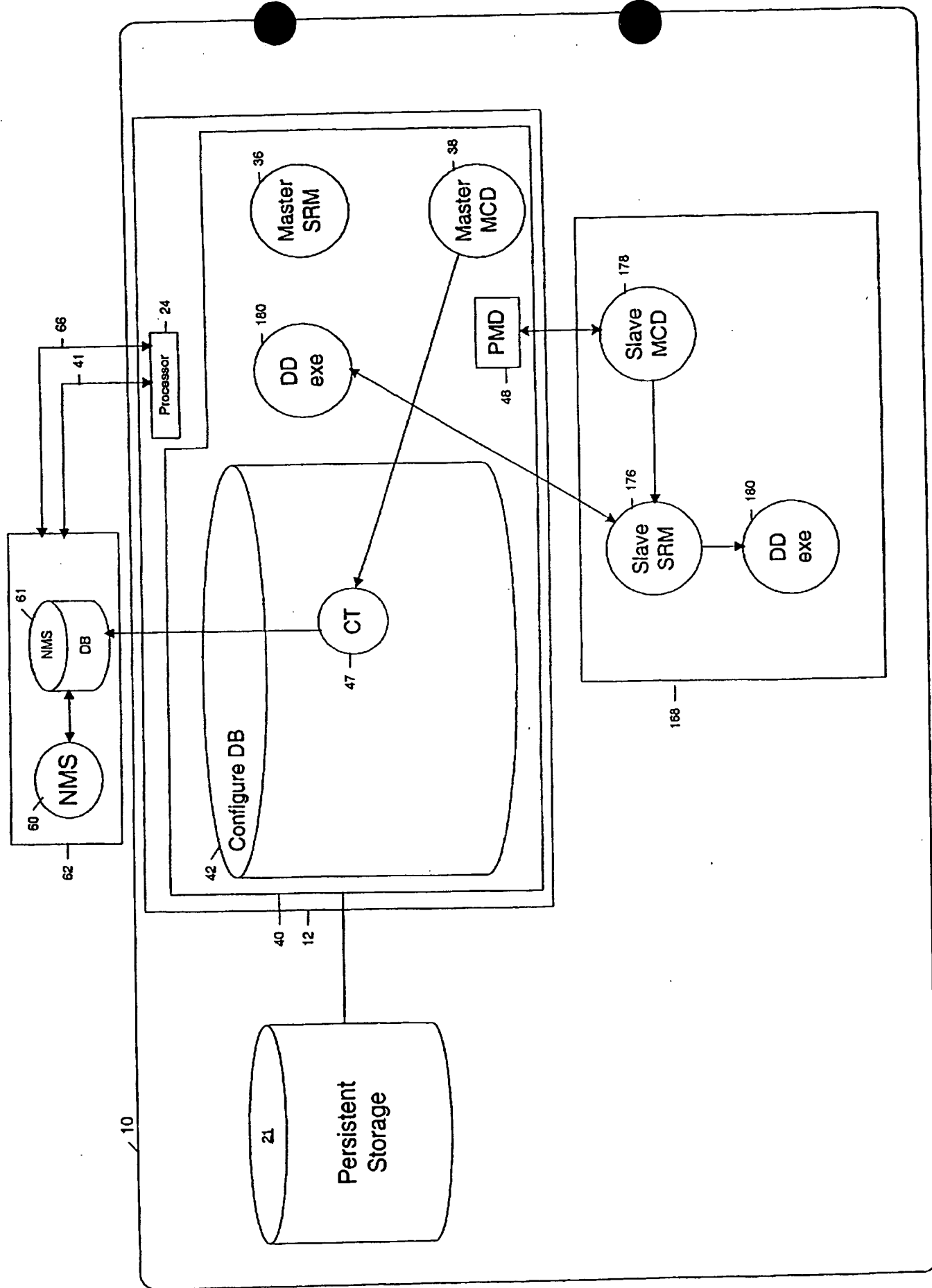


FIG. 20

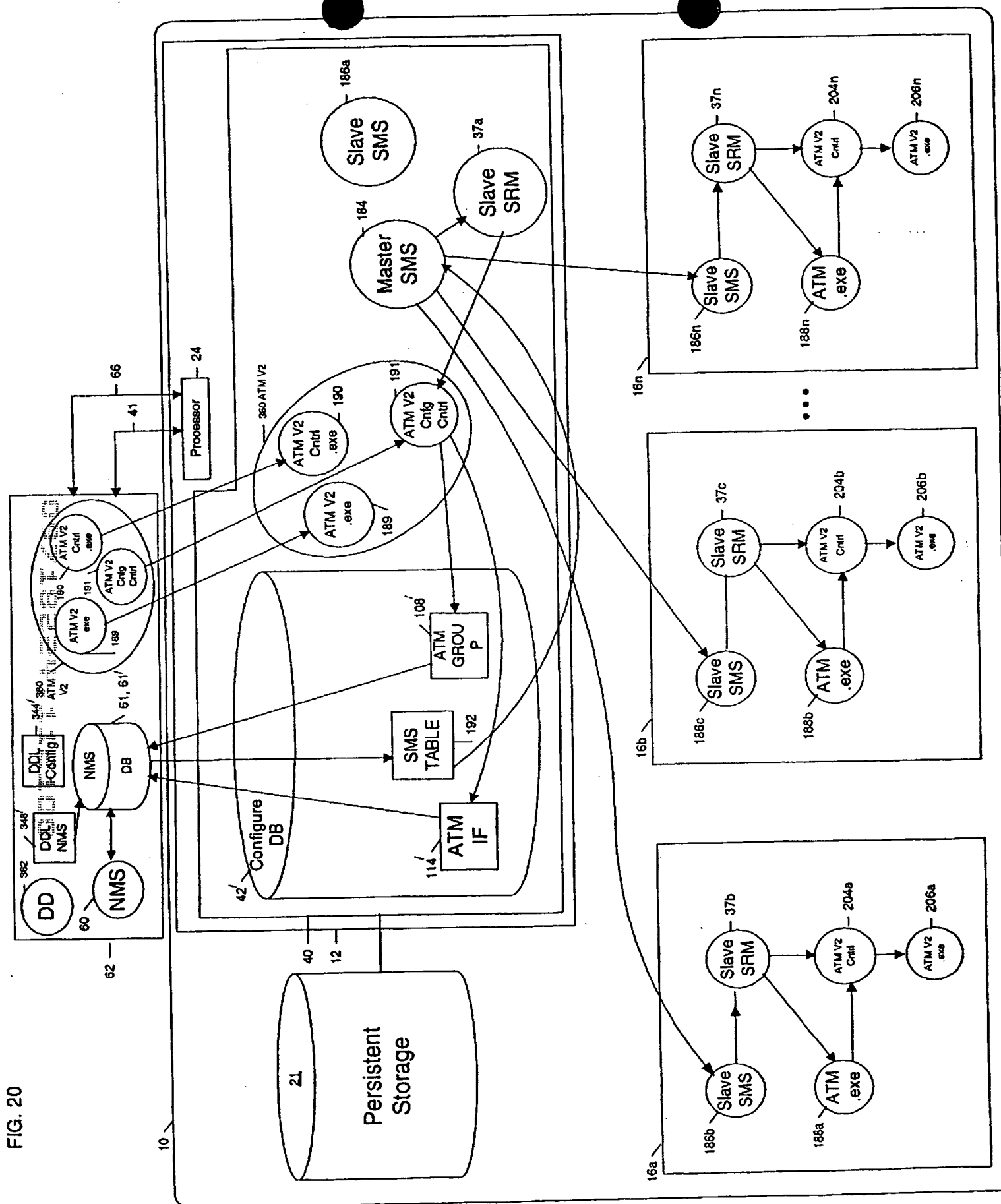


FIG. 21

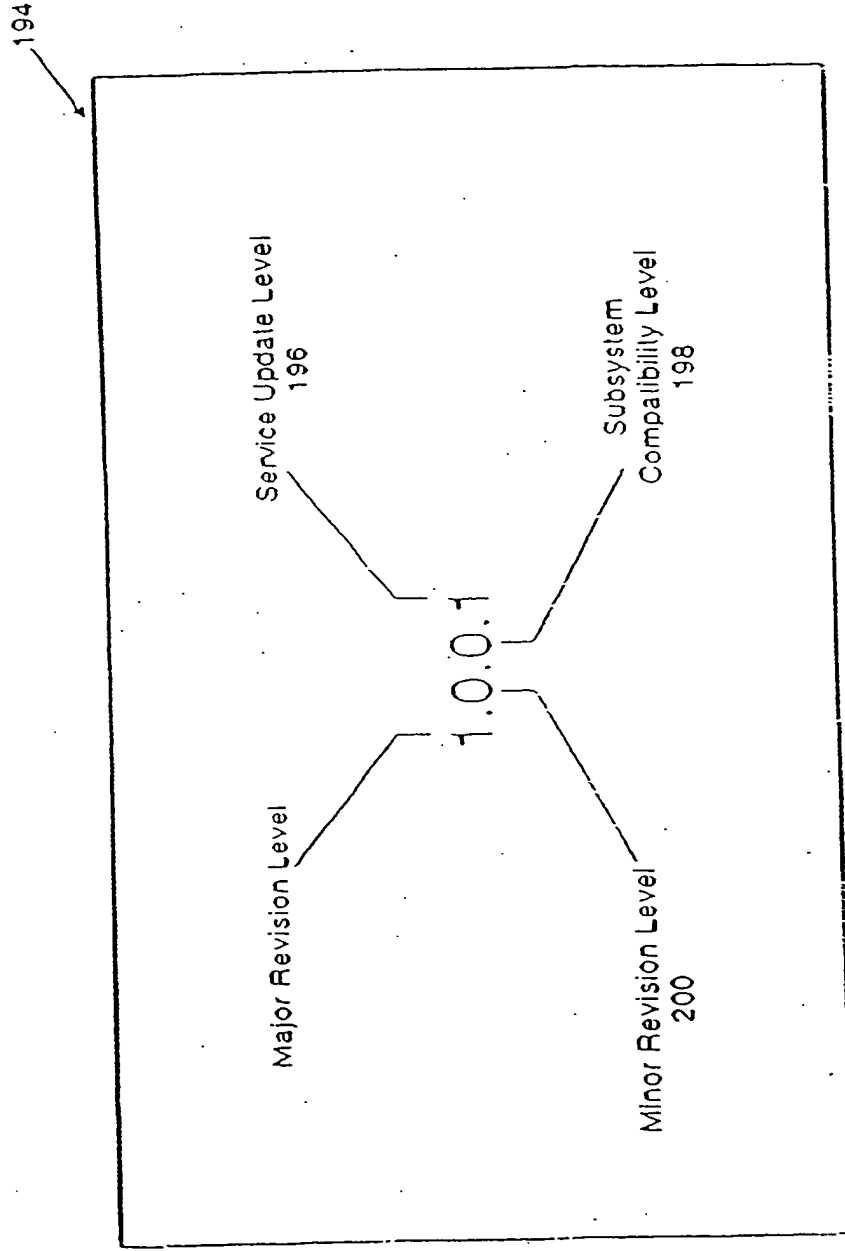


FIG. 22

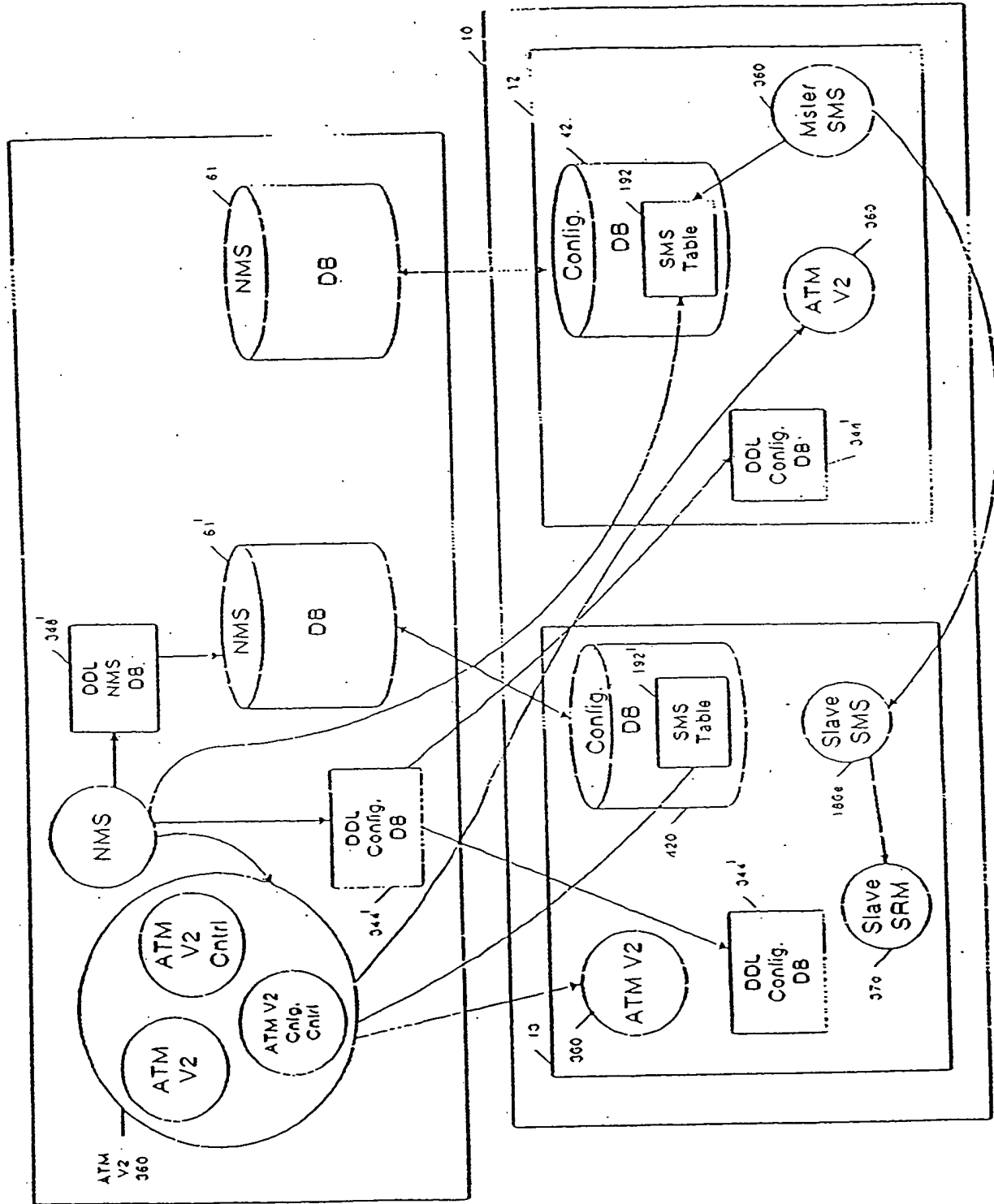


FIG. 23

FIG. 23 is a block diagram of the system architecture.

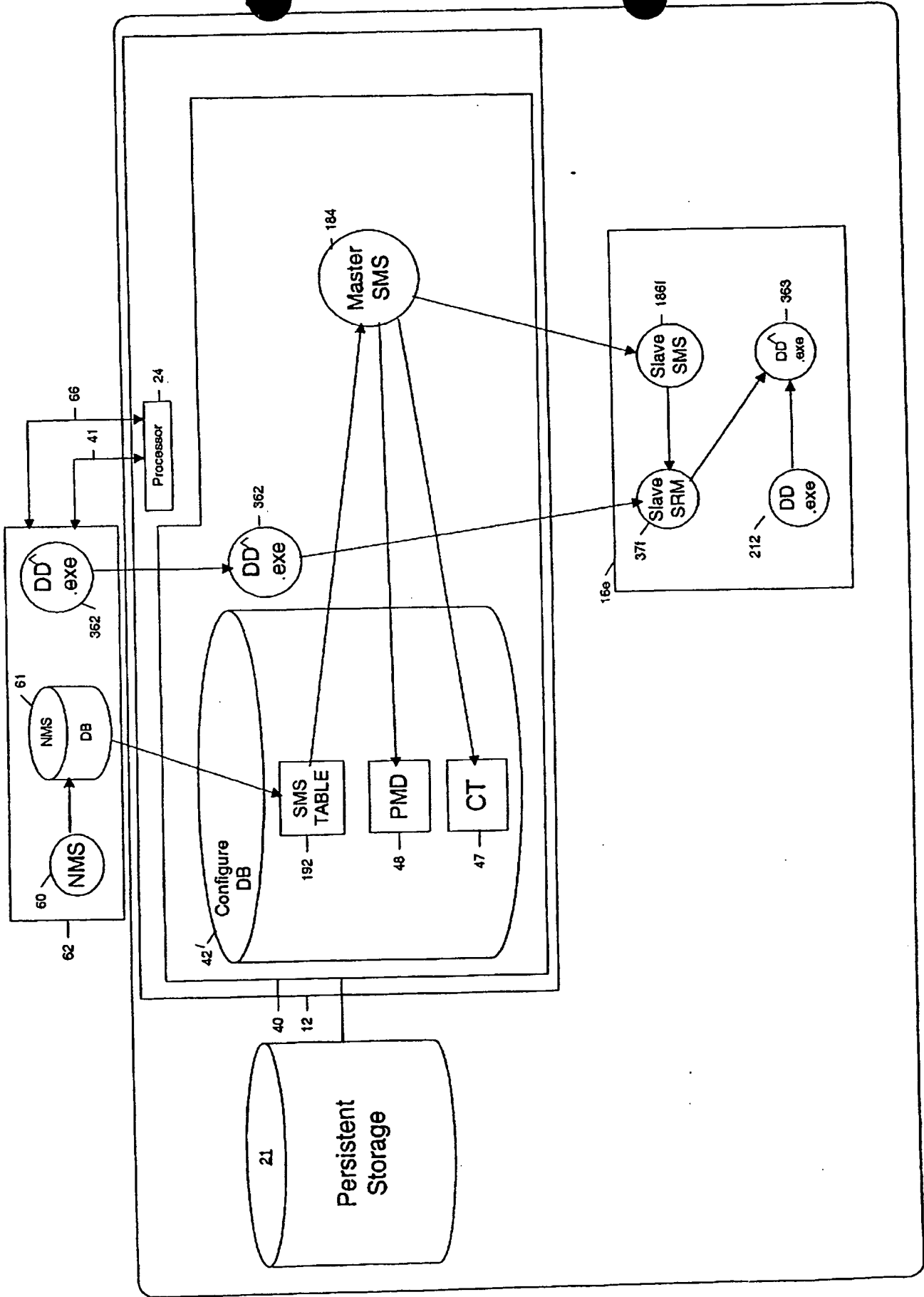


FIG. 24

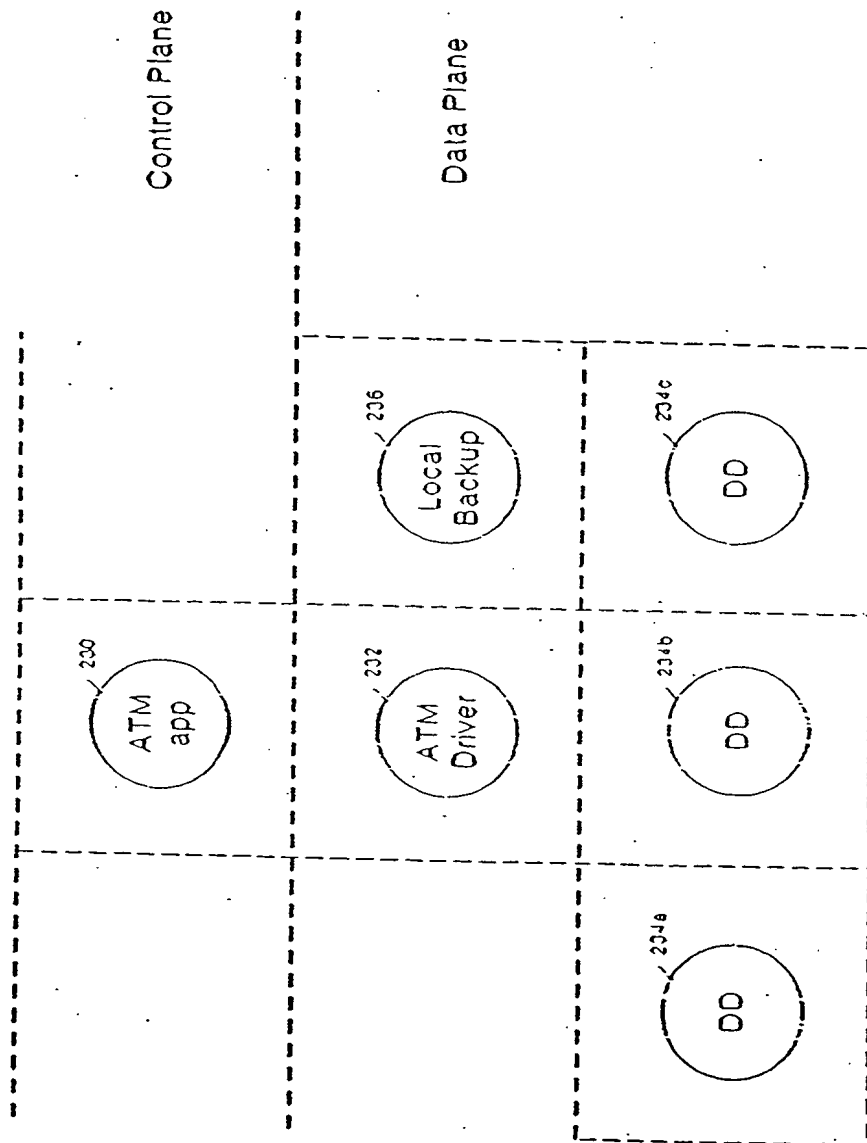


FIG. 25

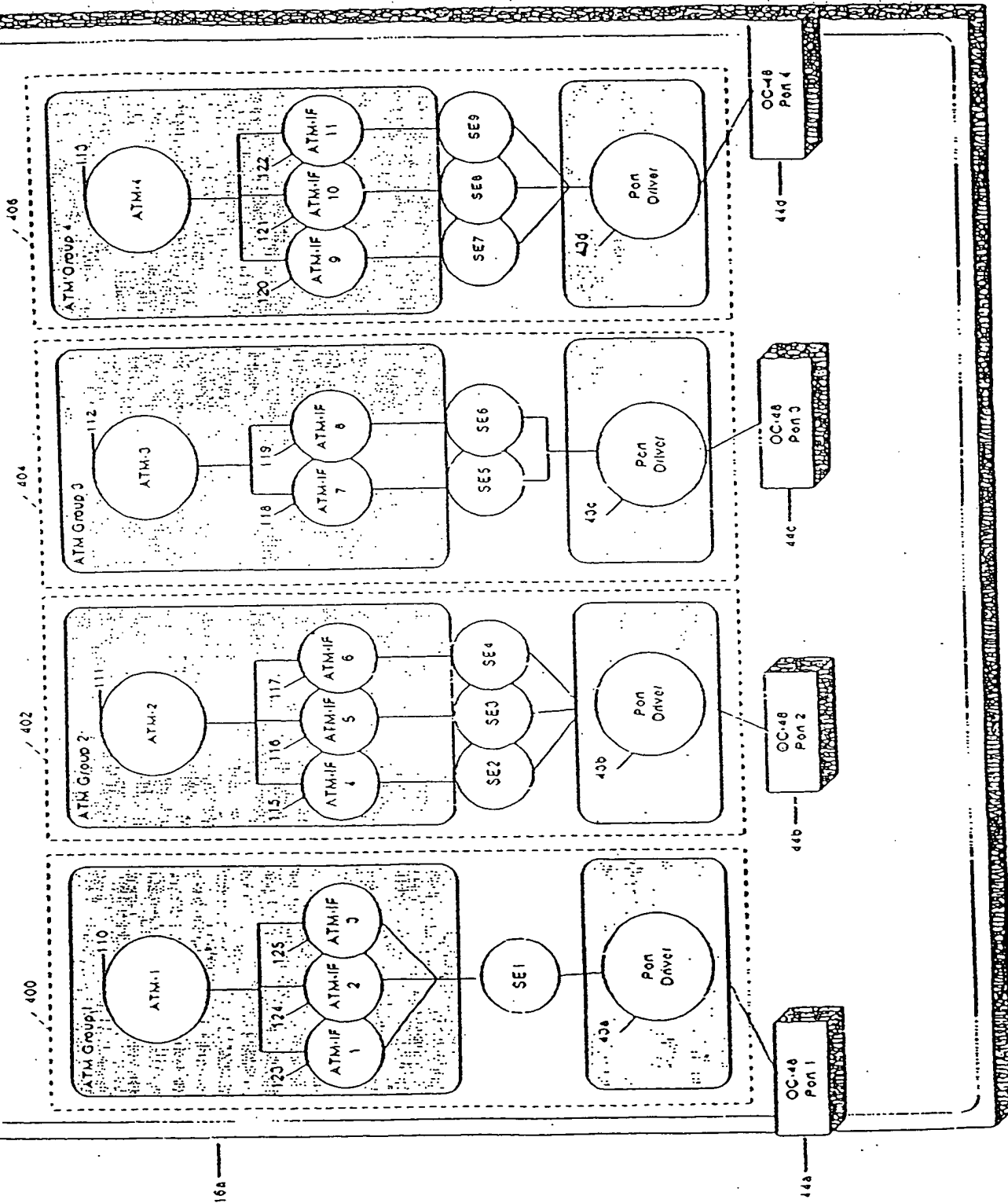


FIG. 26

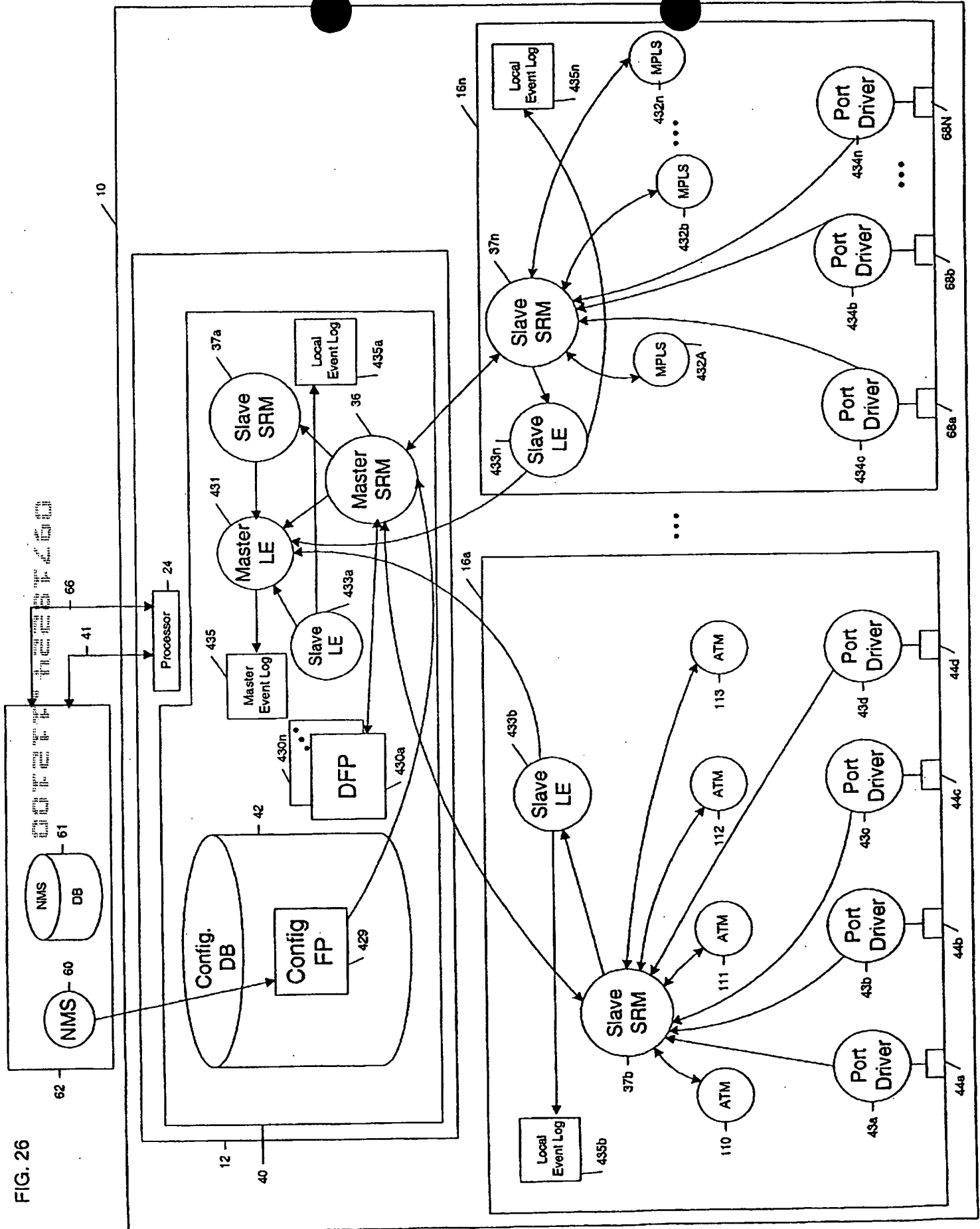


FIG. 27

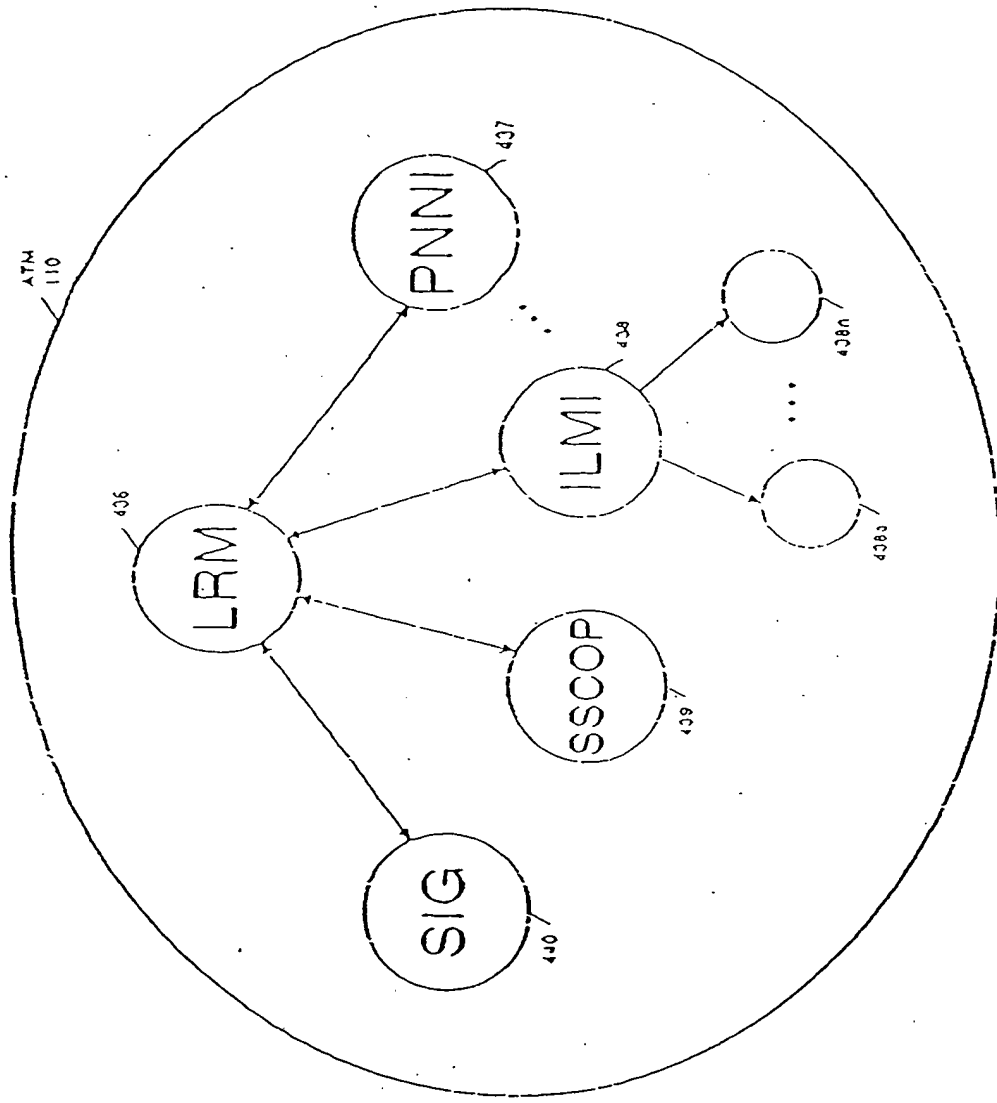


FIG. 28

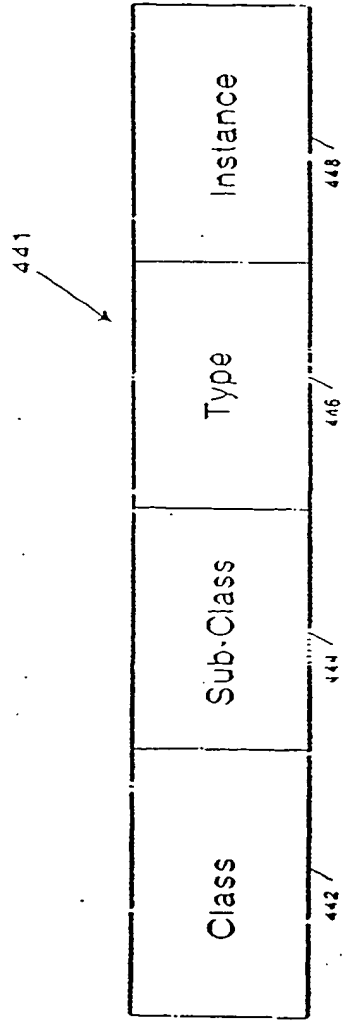


FIG. 29

FIG. 29 is a block diagram of a network management system.

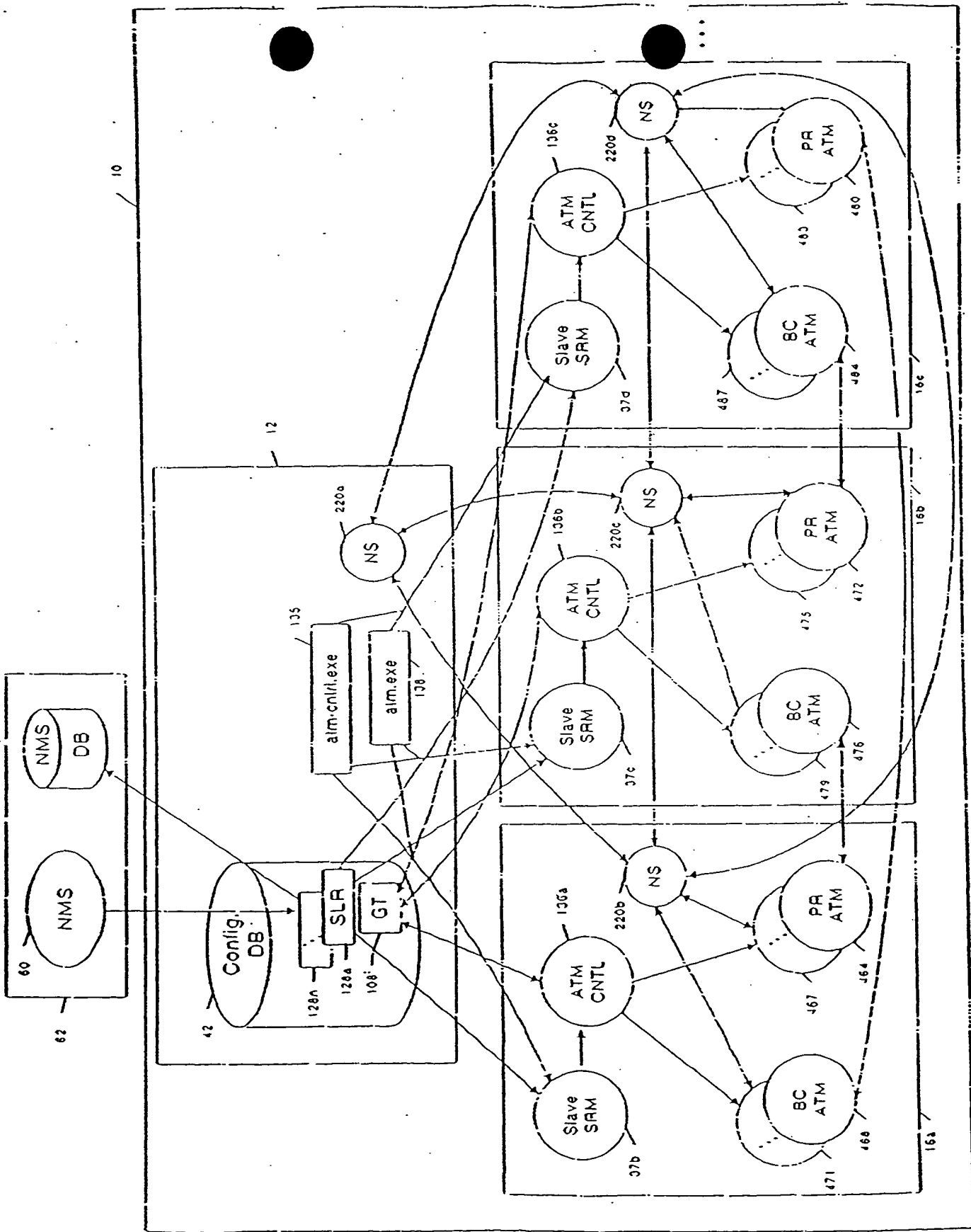


FIG.30

Group Table 108

447

449

	Group #	Primary Card LID	Backup Card LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	:	:	:	:
	:	:	:	:

450 451 452 453 454 455 456 457 458 459 460 461

Fig. 31a

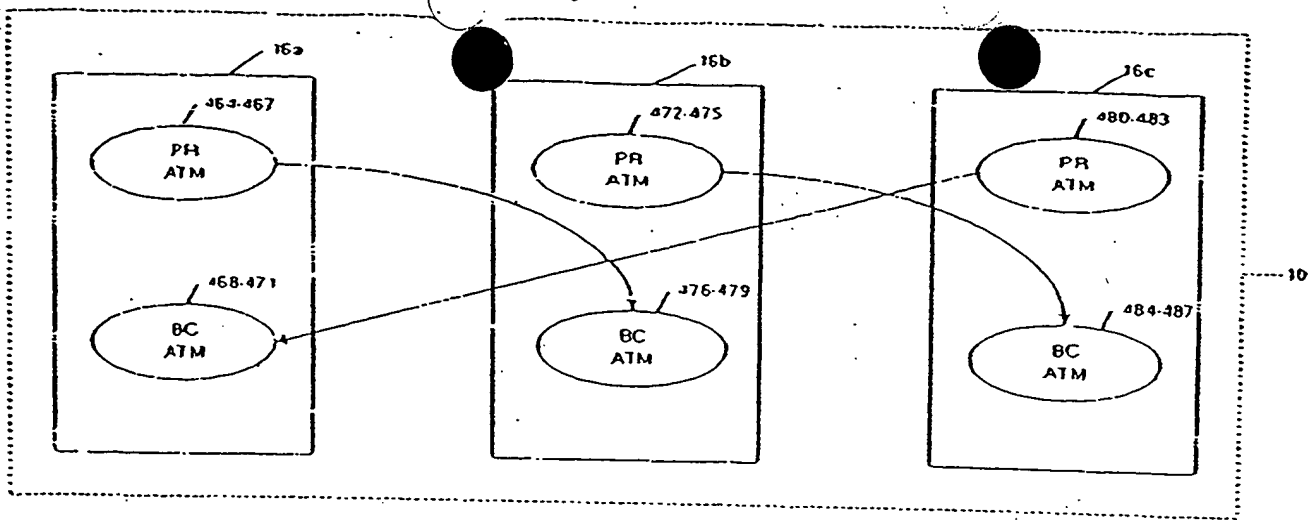


Fig. 31b

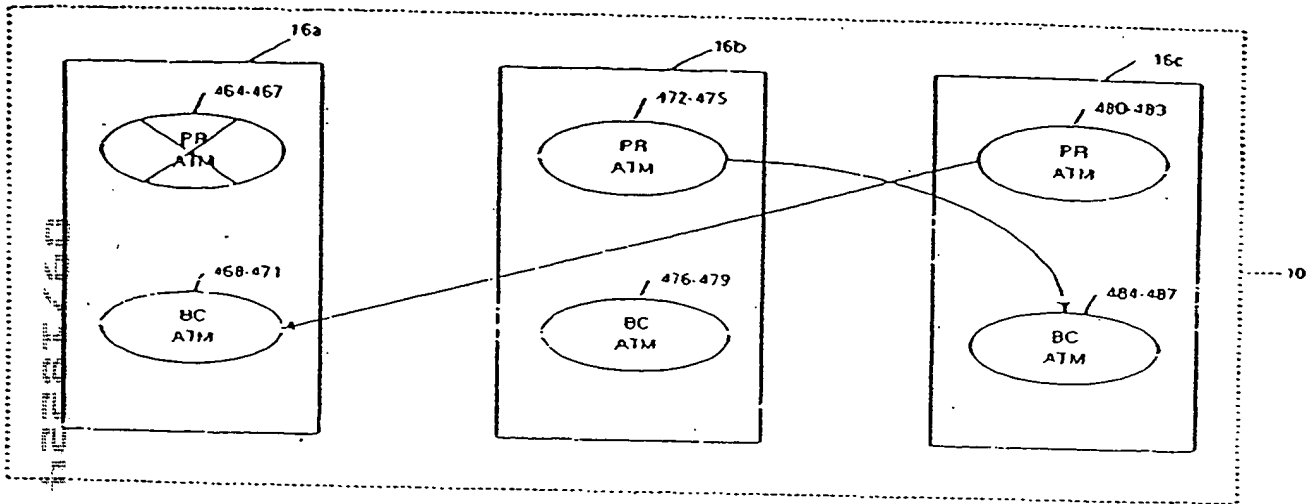
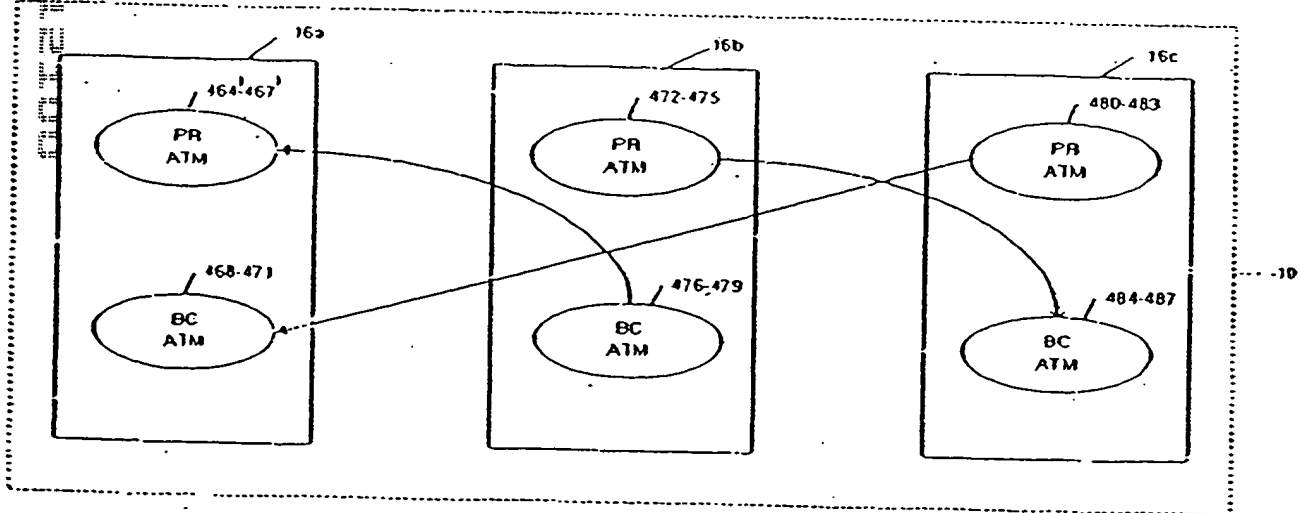


Fig. 31c



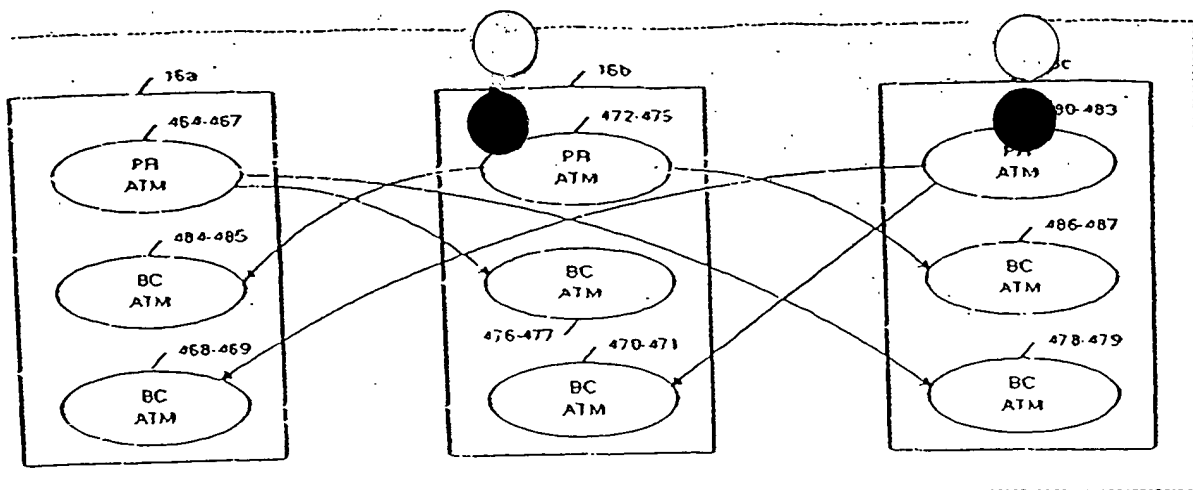


Fig. 32b

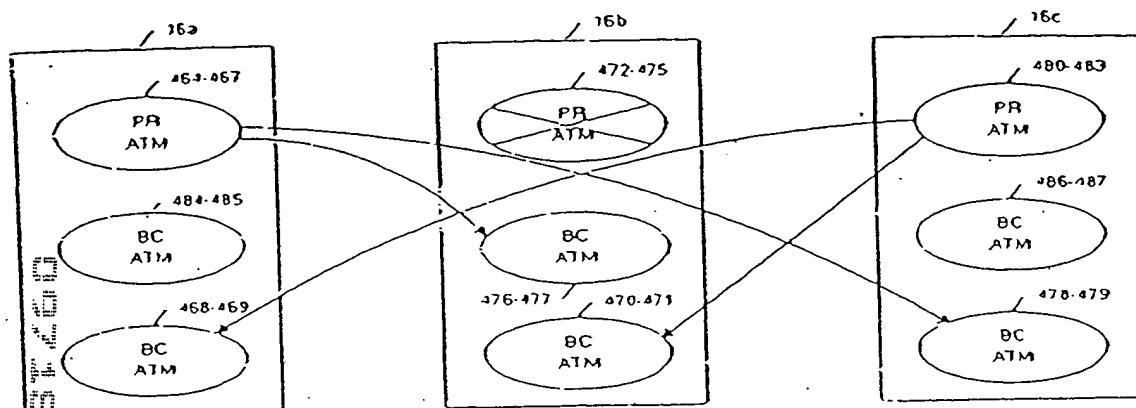


Fig. 32c

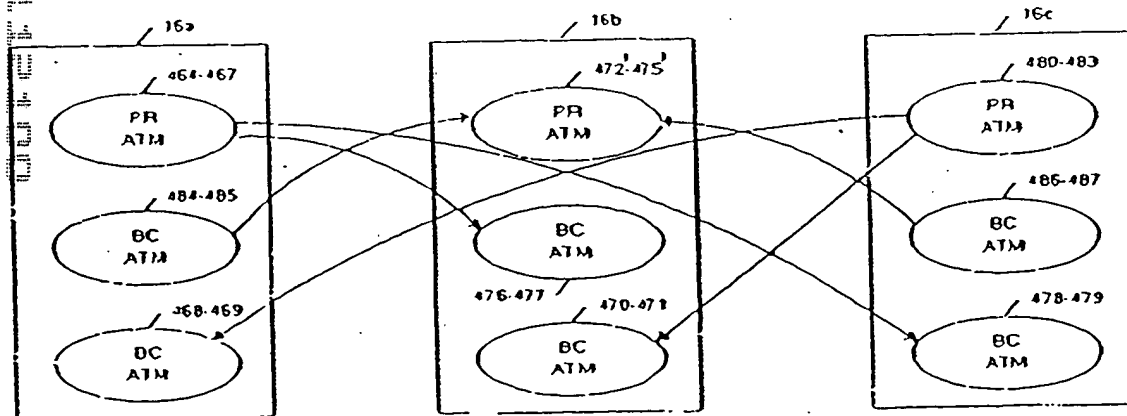


FIG. 33a

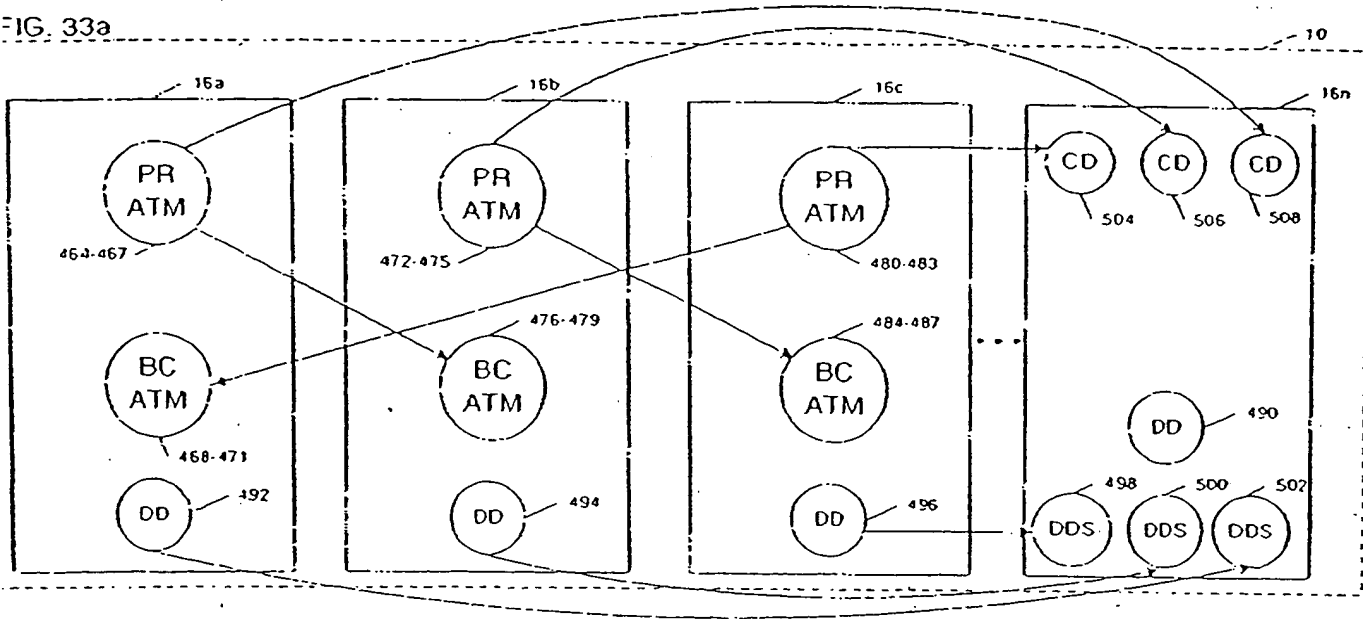
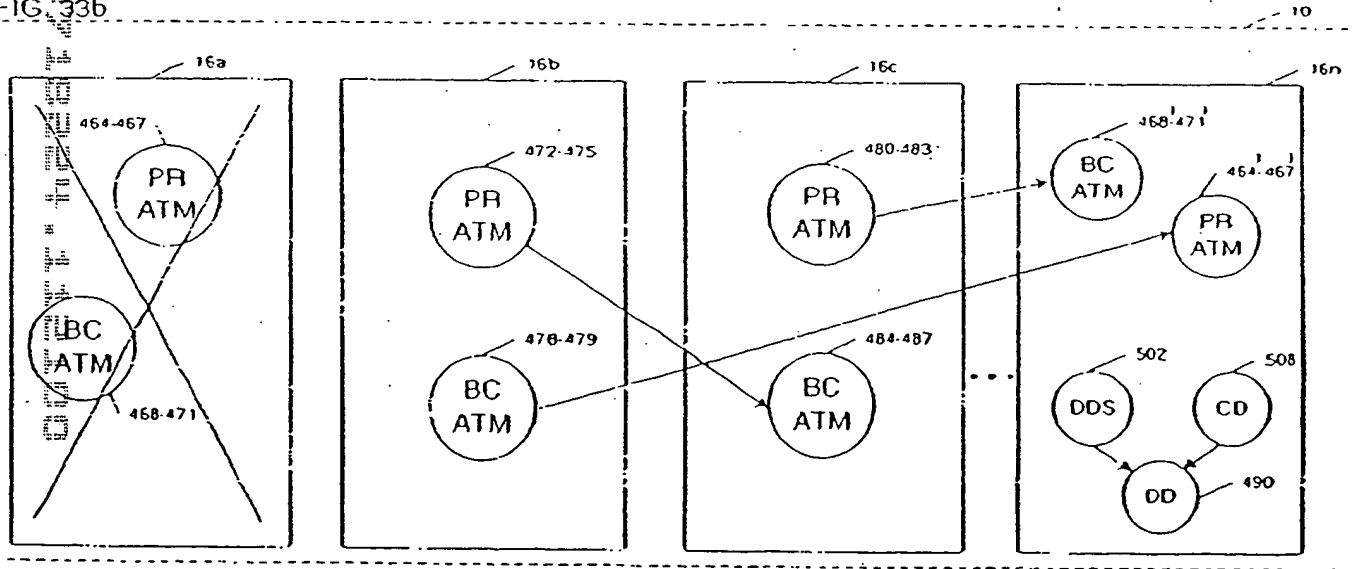
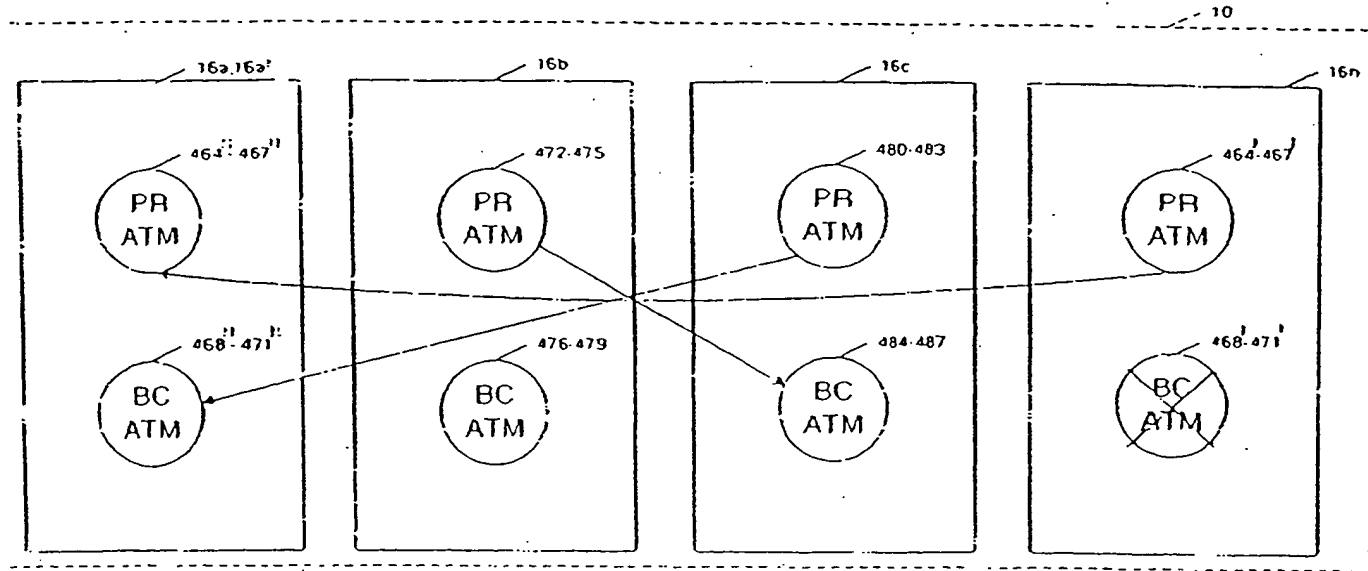


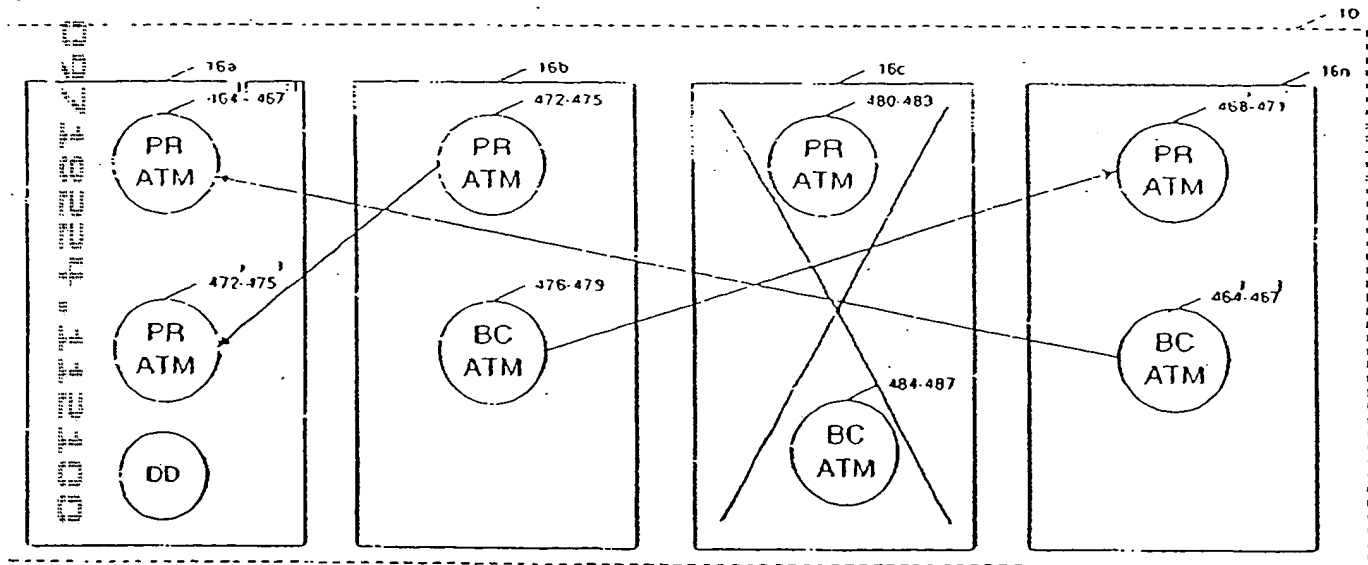
FIG. 33b



G. 33c



G. 33d



22

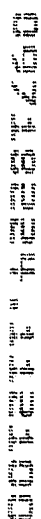


FIG. 36

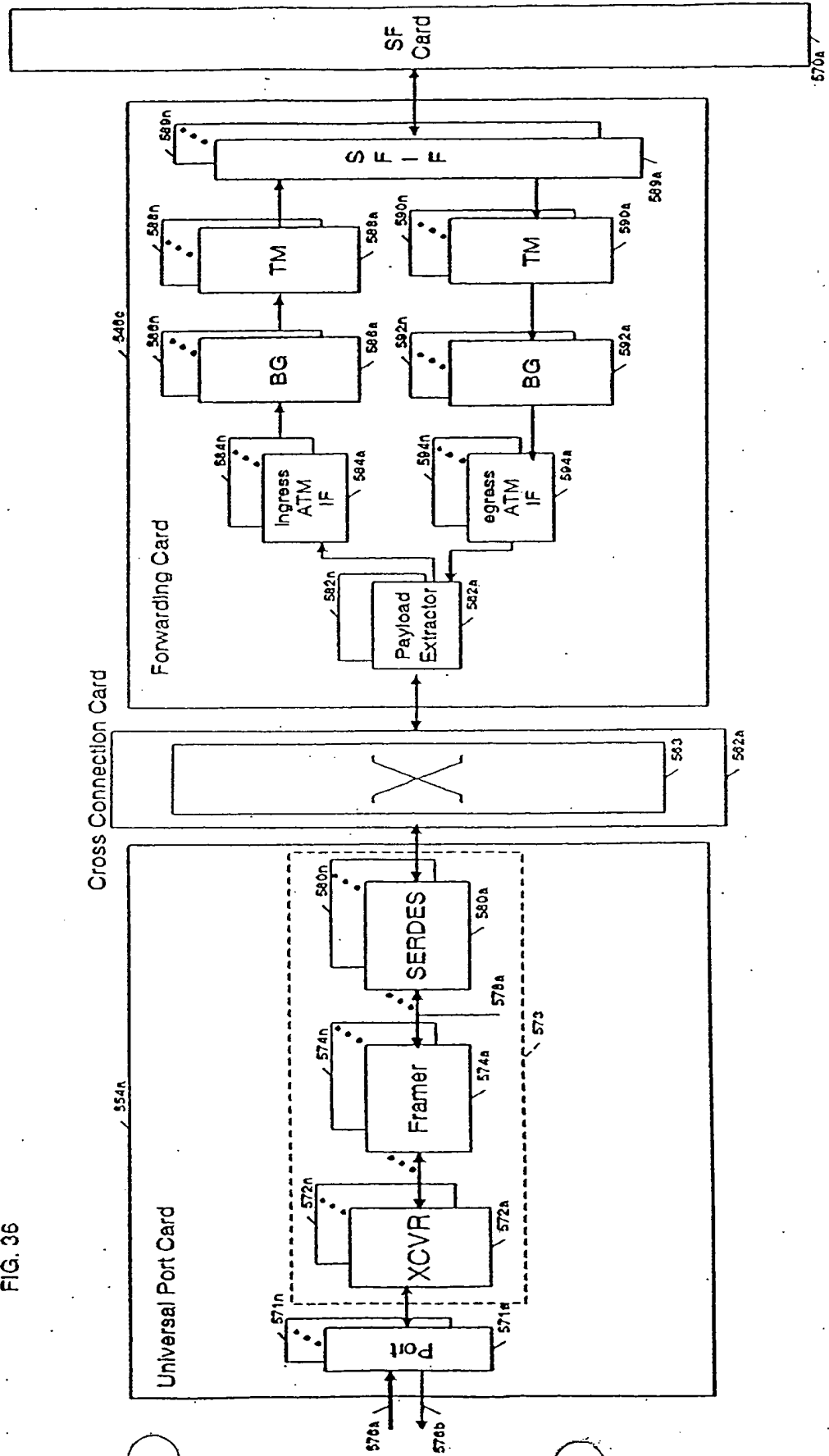


FIG. 37

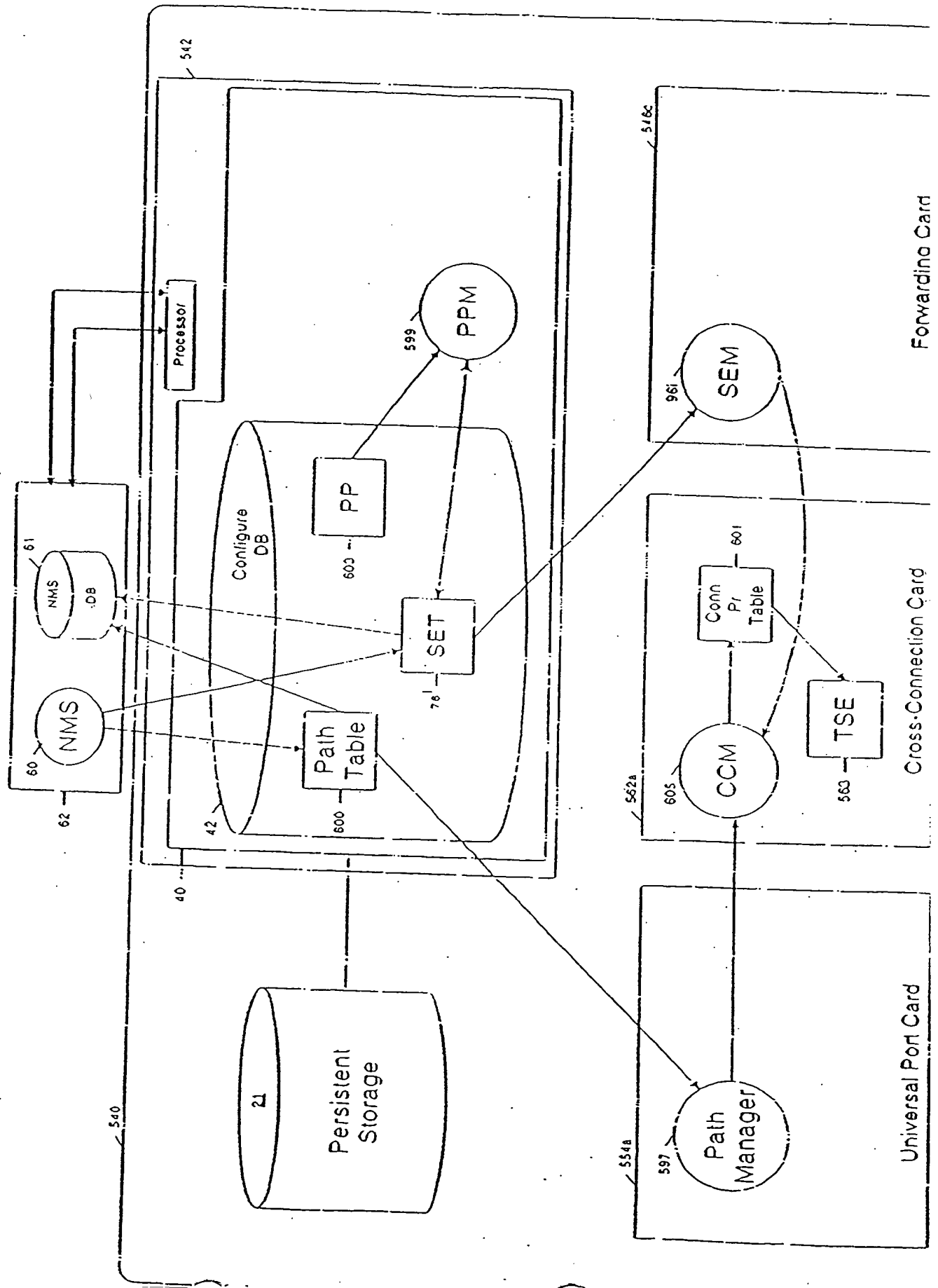


FIG. 38

Path Table 600

Path LID	UP Port LID	Time Slot	# of Time Slots	...
1666	1231	4	3	
...

FIG. 39

Service End Point Table 76'

604

606 608 610

SE #	Q #	FC LID	FC Slice	FC Time Slot	Path PID	...
878	1				1666	
...

00740314 43400

Fig. 40

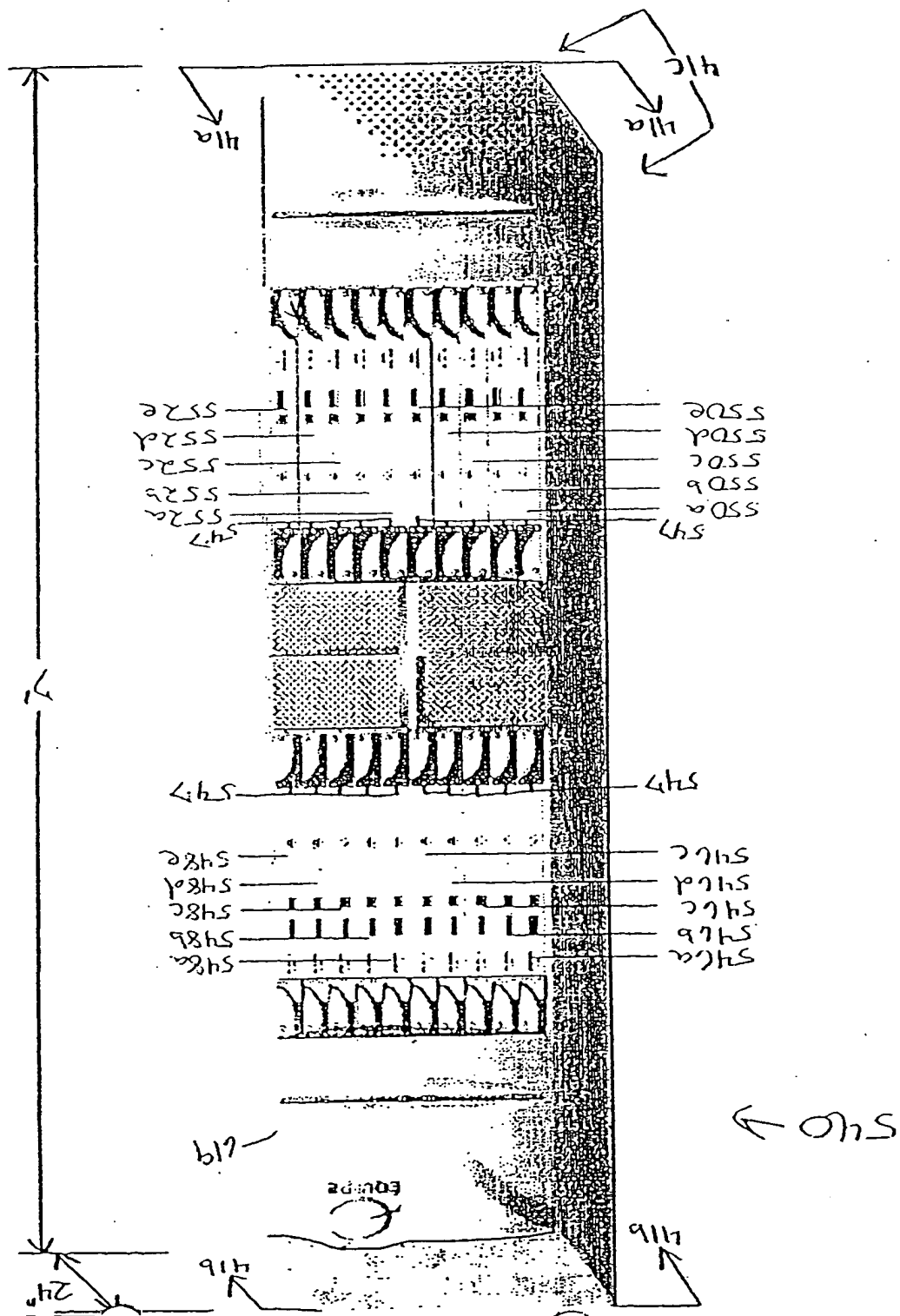
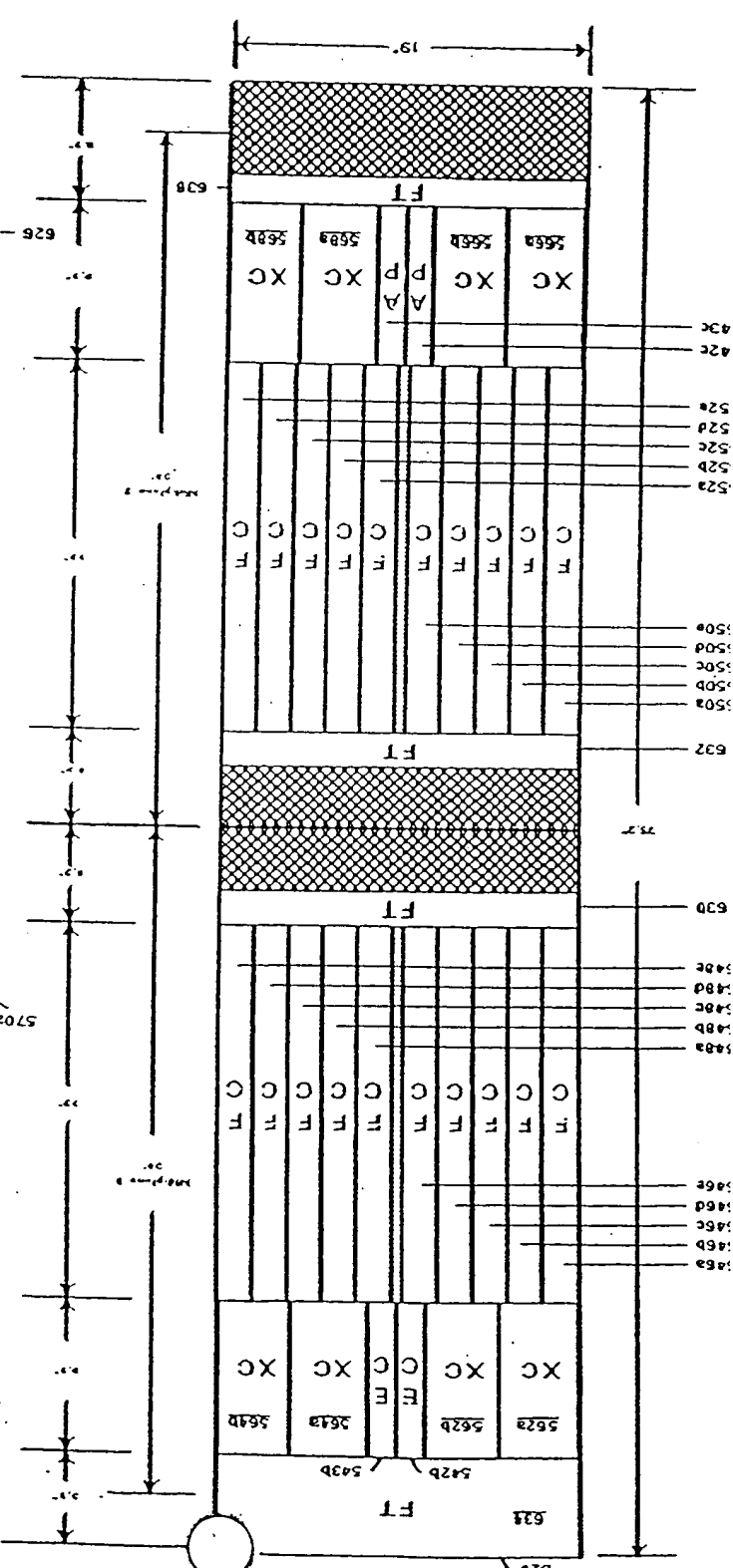
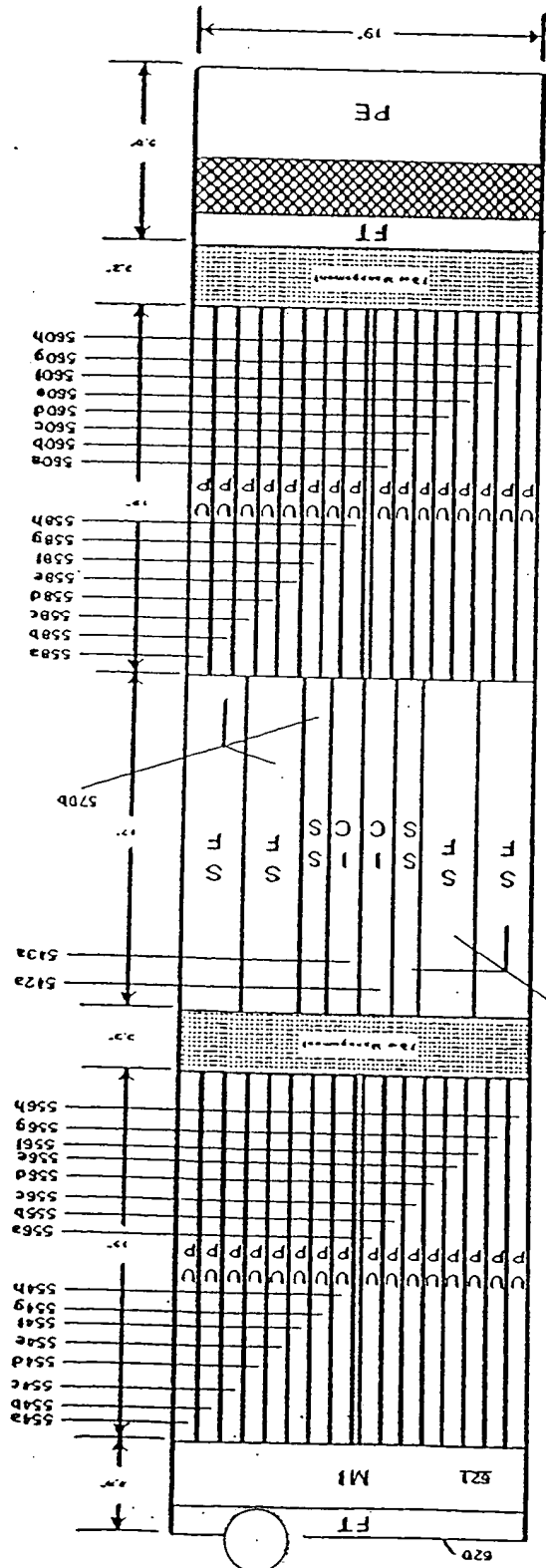


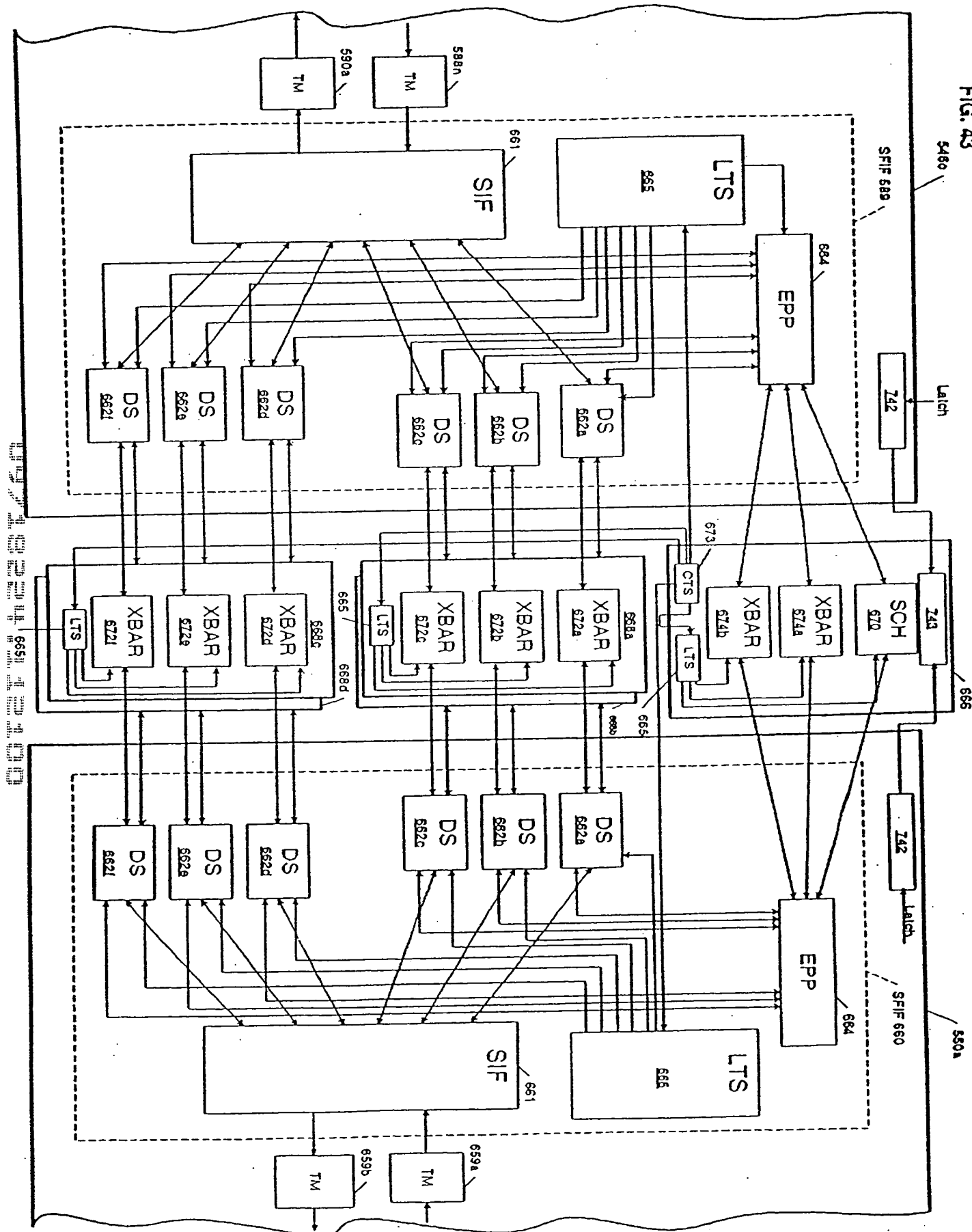
Fig. 41B

Fig. 41A



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FIG. 43



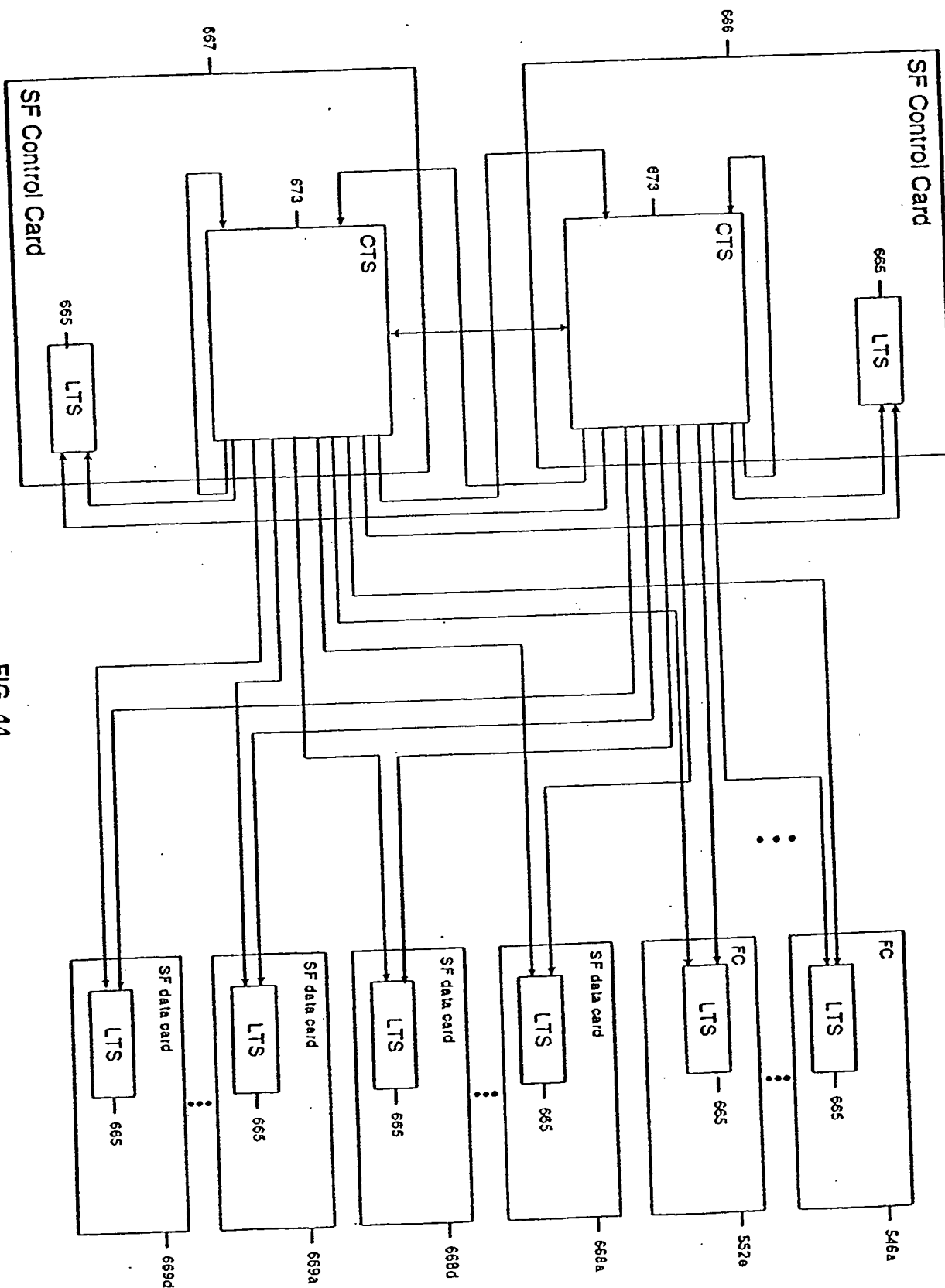
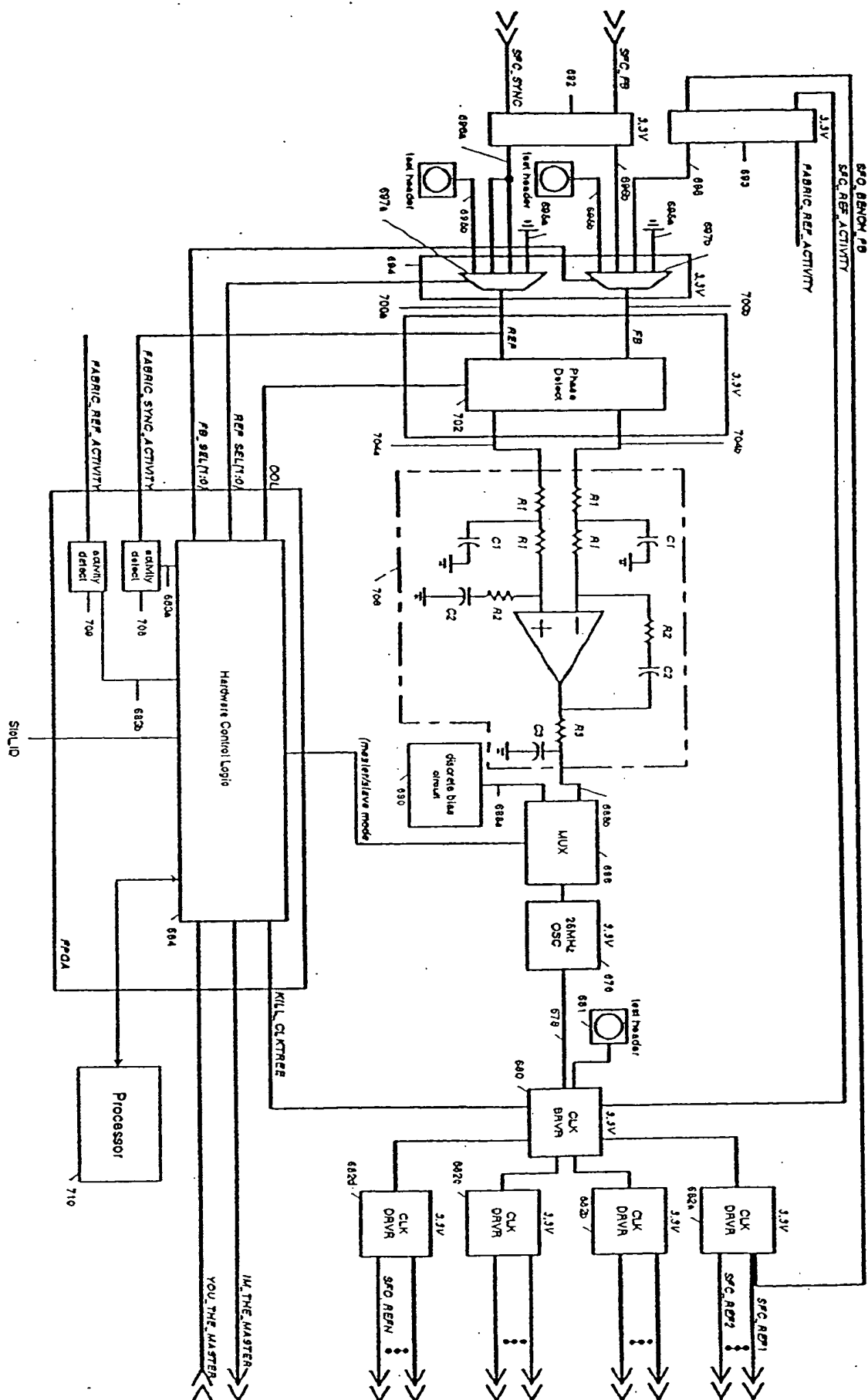


FIG. 44

540

673



Year	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

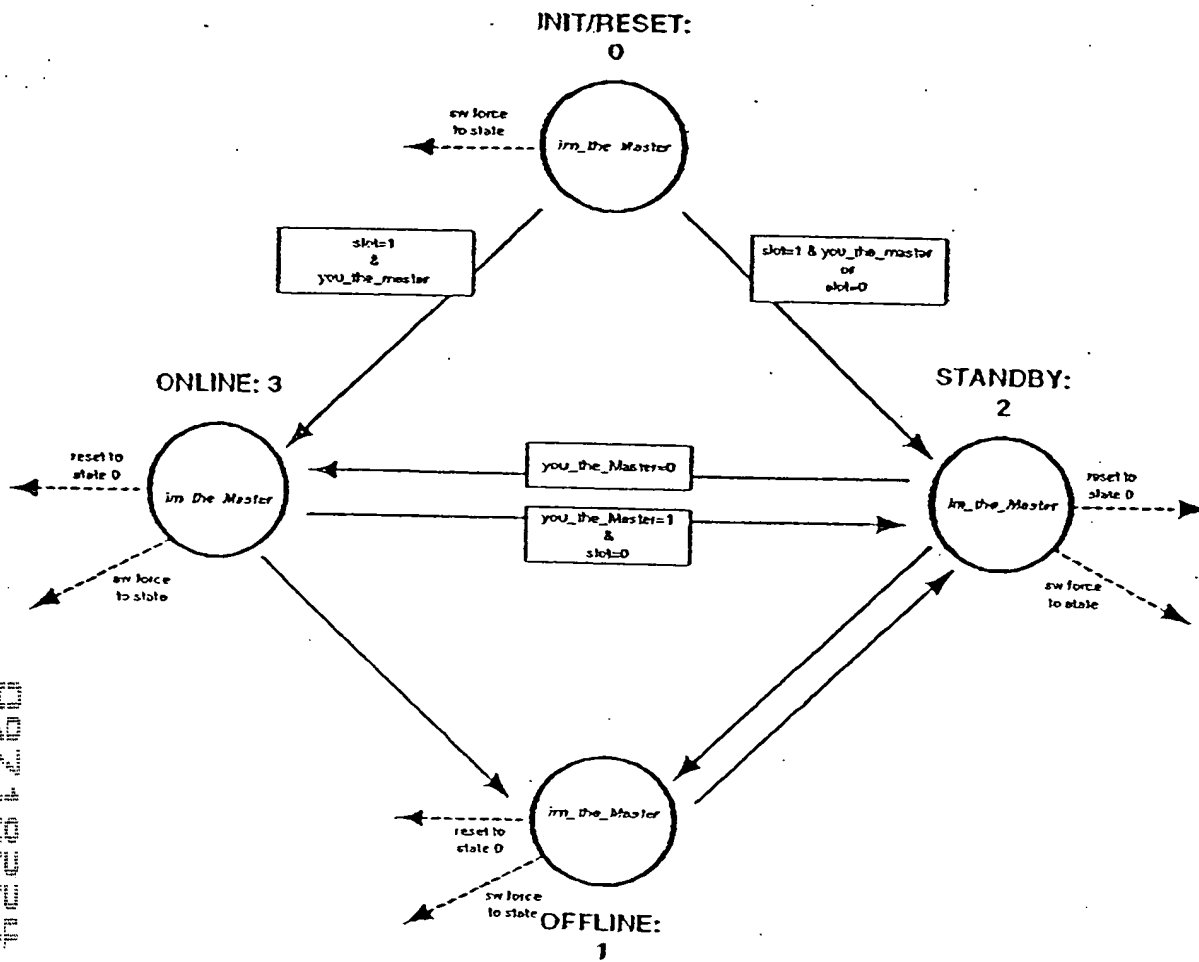
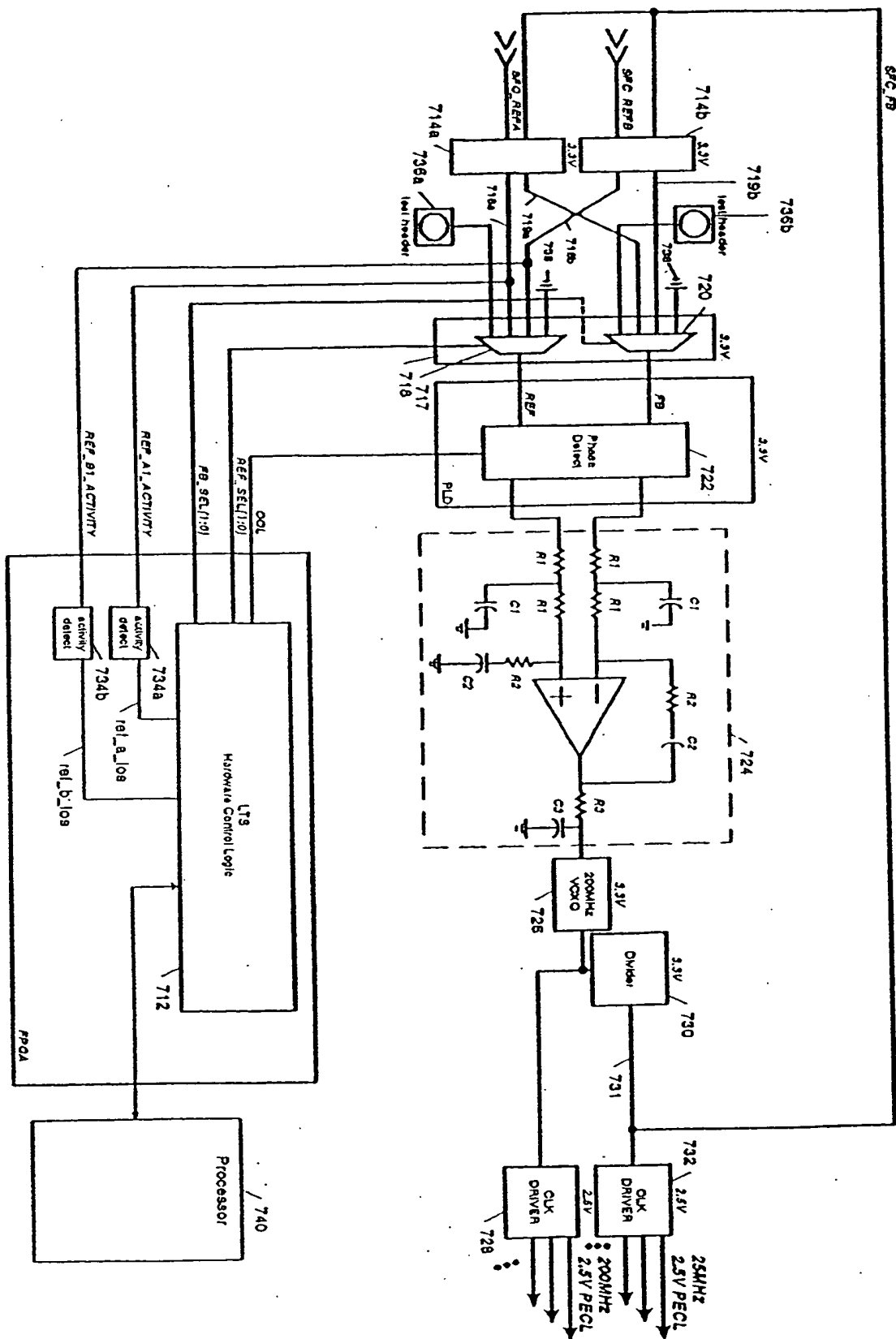


FIG. 46



LTS

665

FIG. 47

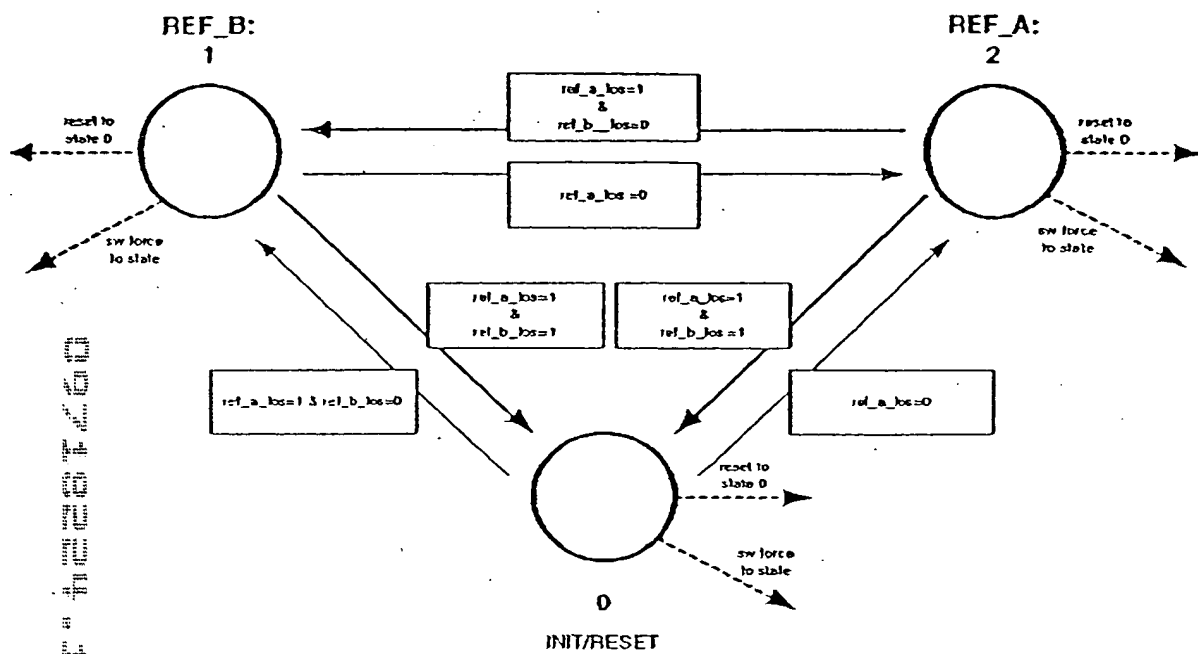
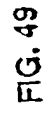
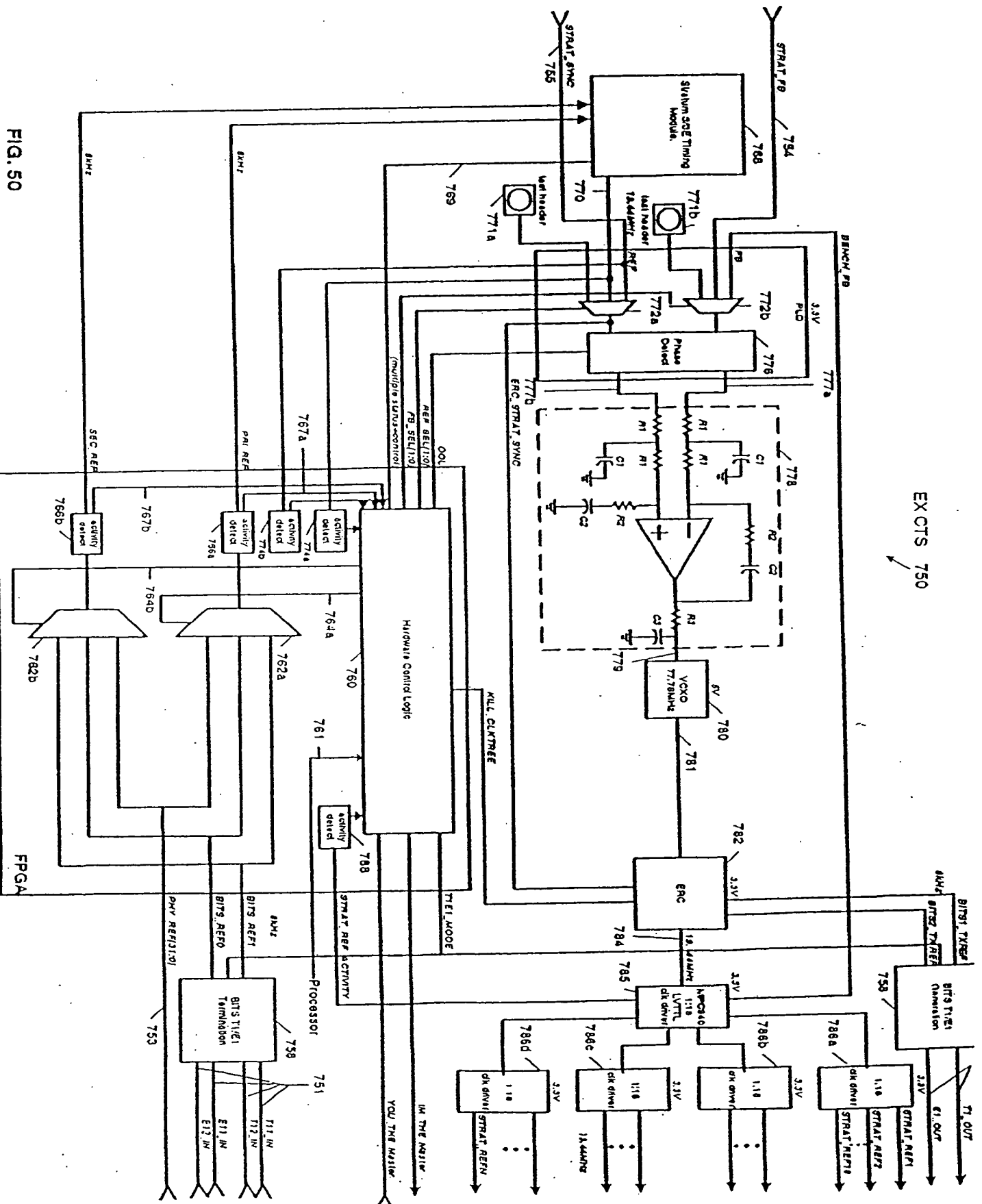
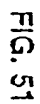


FIG. 48







11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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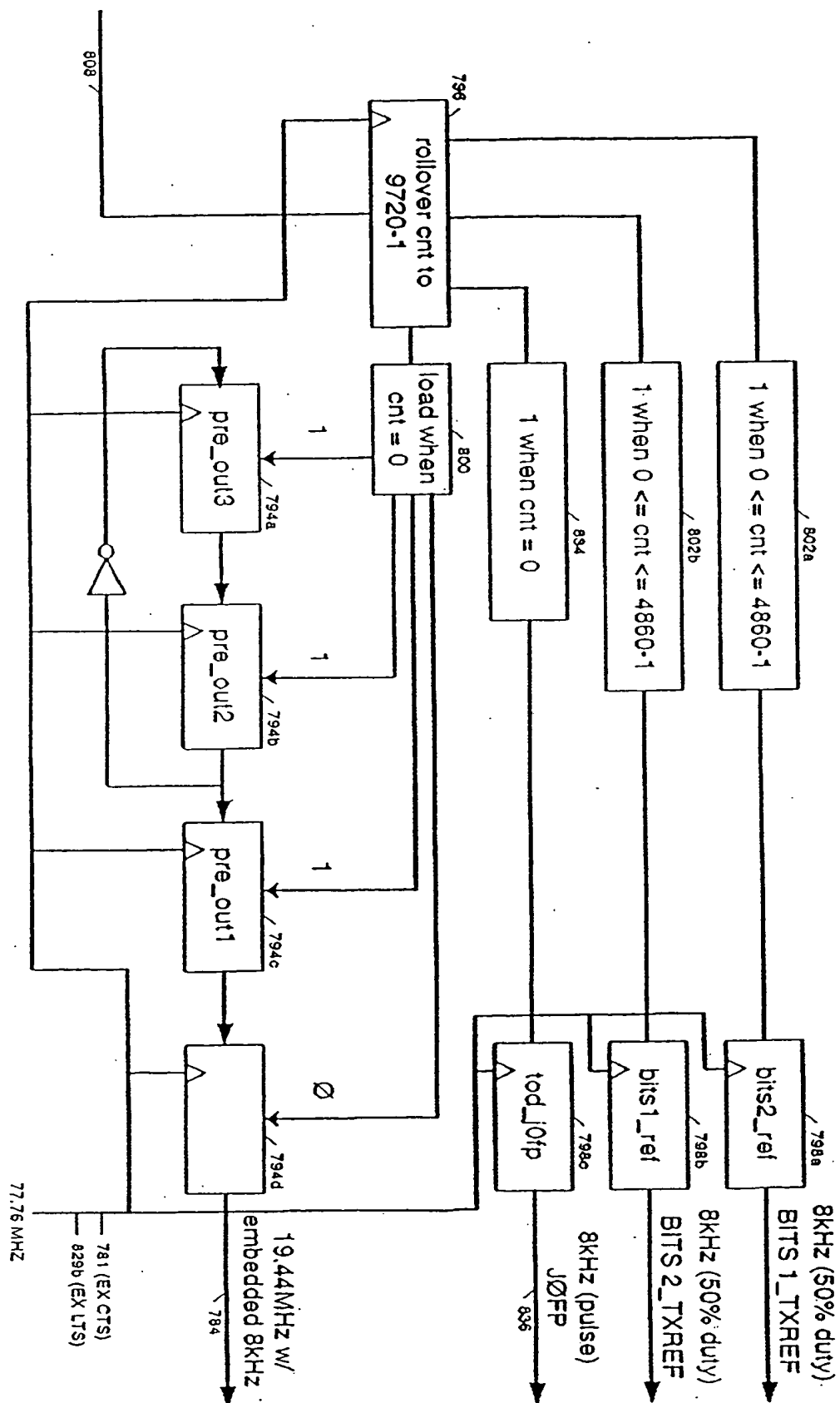


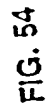
Fig. 52

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FIG. 53

[illegible]



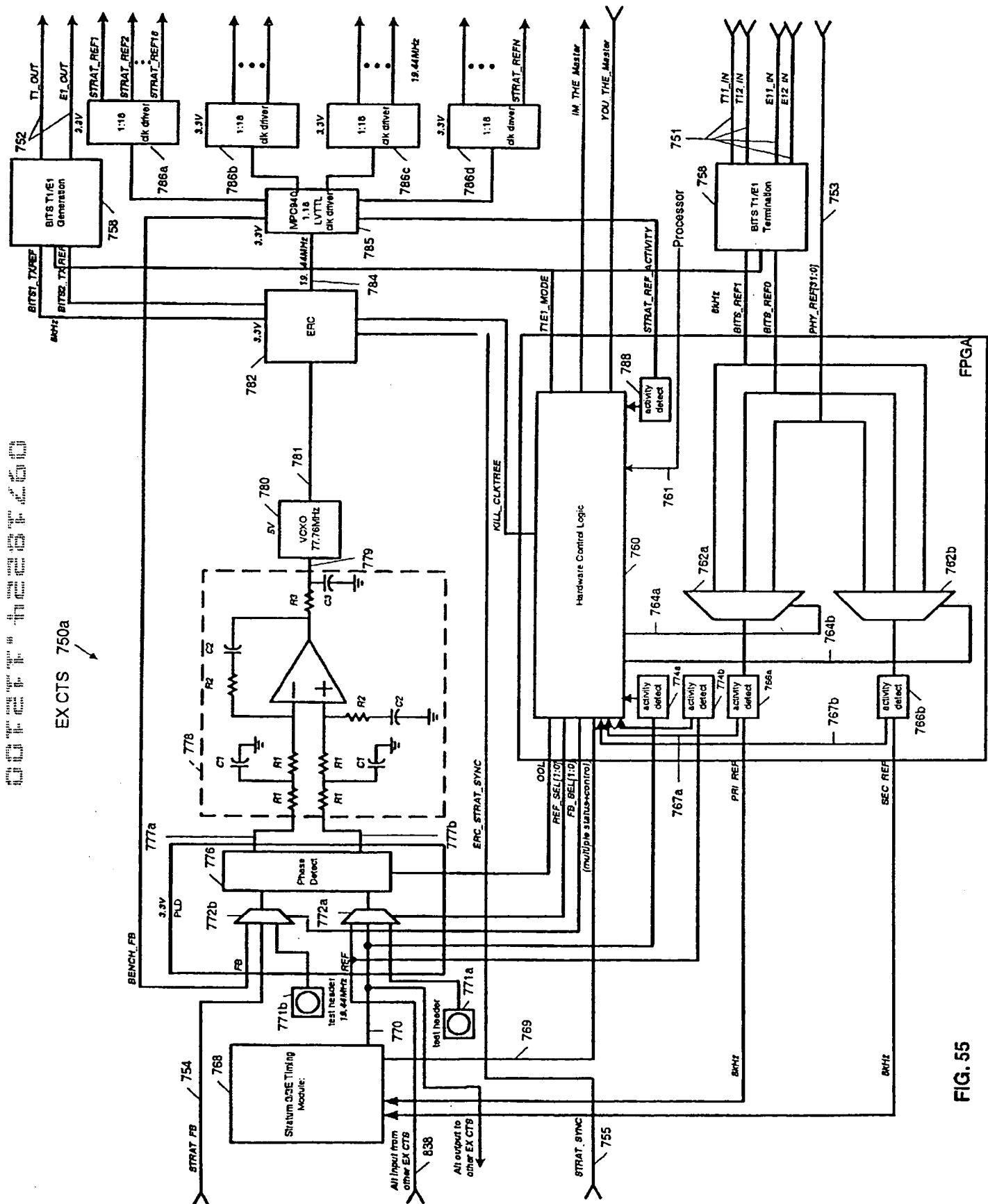


FIG. 55

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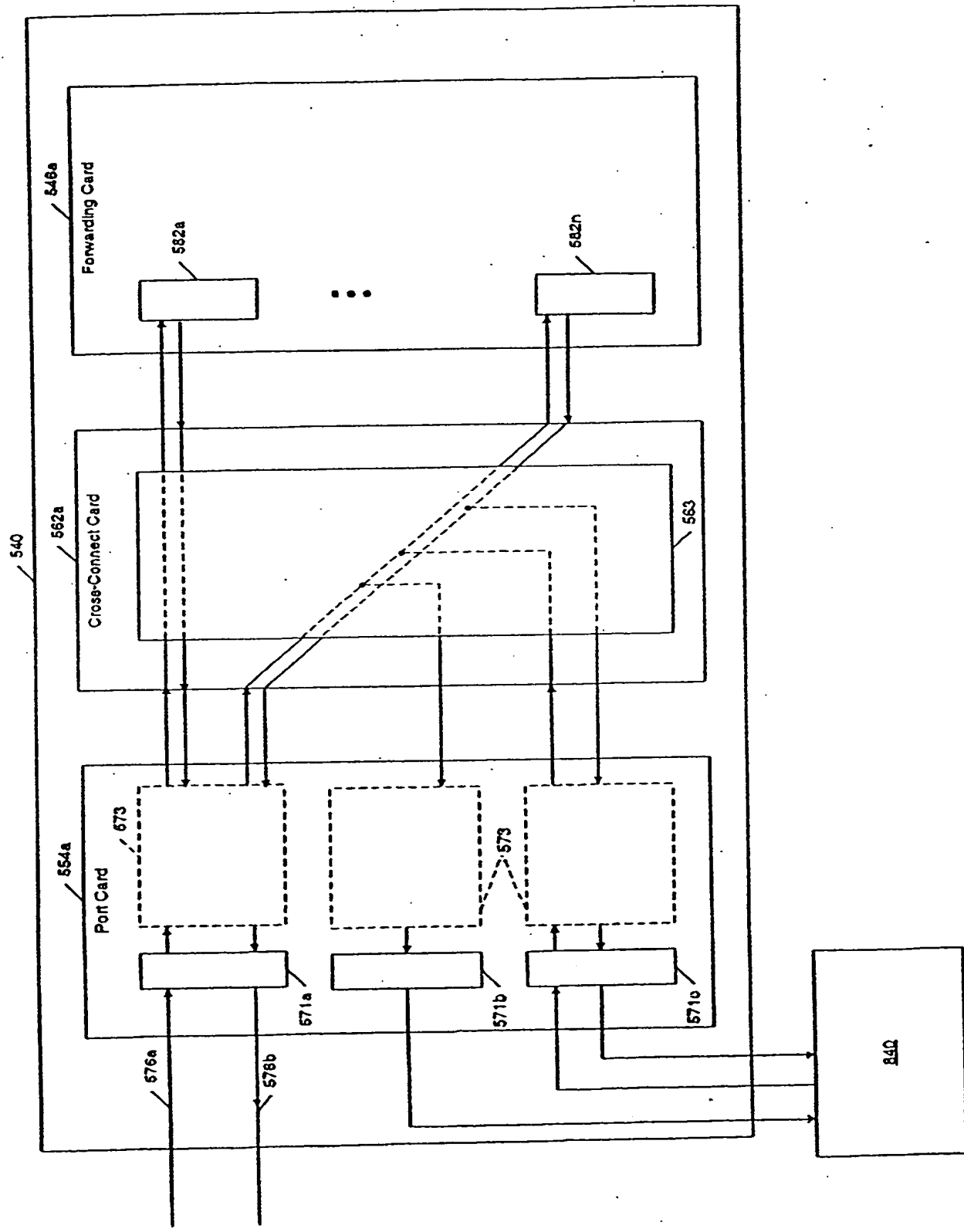
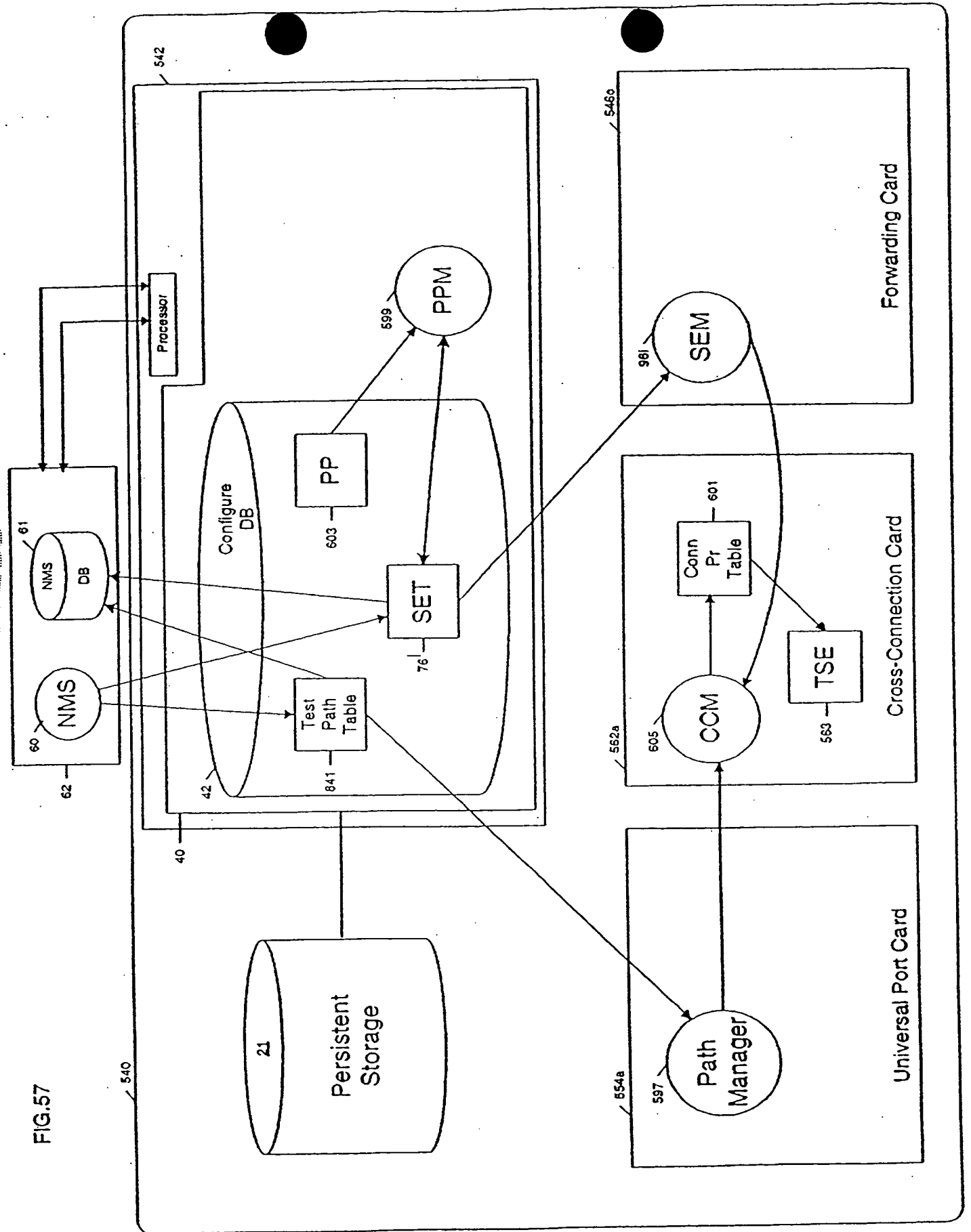


Fig. 56

[illegible]

Test Path Table 841

Path LID	UP Port LID	Time Slot	# of Time Slots	Monitor	Enable Port Receiver	...
842	1666	4	3	Ingress	No	
843	1666	4	3	Egress	No	
844	1666	4	3	Ingress	Yes	
...

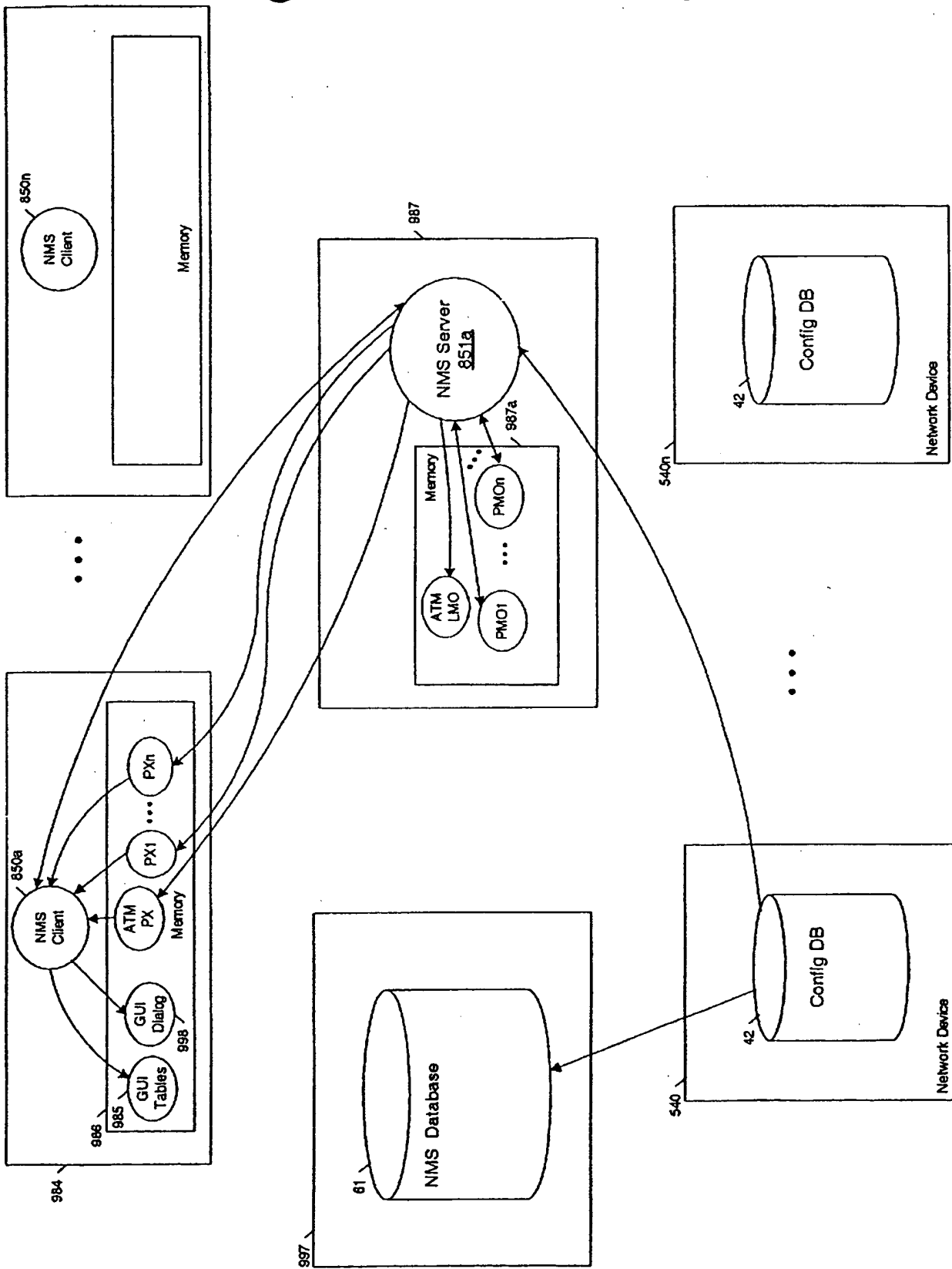


Fig. 59

Fig. 60a

Managed Device Table

PID	A1	...	An
1			

983b points to the first row. 983 points to the header row. 983a points to the last column.

Fig. 60b

Chassis Table

PID	A1	...	An	Managed Device PID
1				1
⋮	⋮	⋮	⋮	⋮

988b points to the first column. 988c points to the header of the last column. 988 points to the last column. 988a points to the last row.

Fig. 60c

Shelf Table

PID	A1	...	An	Chassis PID
3				2
4				2
⋮	⋮	⋮	⋮	⋮
18				2

989a points to the first column. 989 points to the header of the last column. 989b points to the last column.

Fig. 60d

Slot Table

PID	A1	...	An	Shelf PID
20				3
21				3
⋮	⋮	⋮	⋮	⋮
116				18

990a points to the first column. 990 points to the header of the last column. 990b points to the last column. 990c points to the first row. 990d points to the last row.

CARD TABLE

47a PID	CWD TYPE	VERSION NO.	47b 47/ SLOT PID	
			SLOT	PID
120	0XF002	3	20	
121	0XF002	4	21	
⋮	⋮	⋮	⋮	⋮
124	0X6002	1	24	
⋮	⋮	⋮	⋮	⋮
131	0XF002	1	31	
⋮	⋮	⋮	⋮	⋮

FIG. 60e

PORT TABLE

PID	PORT TYPE	VERSION NO.	CARD PID	...
300	00620	1	20	
301	00620	1	20	
302	00620	1	20	
303	00620	1	20	
304	00820	1	20	
:	:	:	:	:
:	:	:	:	:
400	00620	1	39	
:	:	:	:	:
:	:	:	:	:

FIG. 60f

FIG. 60g

SONET Path Table 600

600a Path LID	600b Port PID	Time Slot	# of Time Slots	...
901	304	4	3	...
:	:	:	:	:
:	:	:	:	:
:	:	:	:	:

FIG. 60h

Service EndPoint Table 76''

76a	76c	76d	76e	76b		
SE LID	Q #	FC PID	FC Slice PID	FC Time Slot	Path LID	...
3000					901	
...

ATM IF LID	ATM Group LID	SE LID	...
5054		3000	...
			...

ATM IF Table

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Fig. 60j

Virtual ATM IF Table

993a	LID	A1	...	An	ATM IF LID	993b
	7489				5054	993
	⋮	⋮	⋮	⋮	⋮	

Fig. 60k

Virtual Connection Table

994a	LID	A1	...	An	Vir. ATM IF LID	994b
	⋮	⋮	⋮	⋮	⋮	994

Fig. 60L

Virtual Link Table

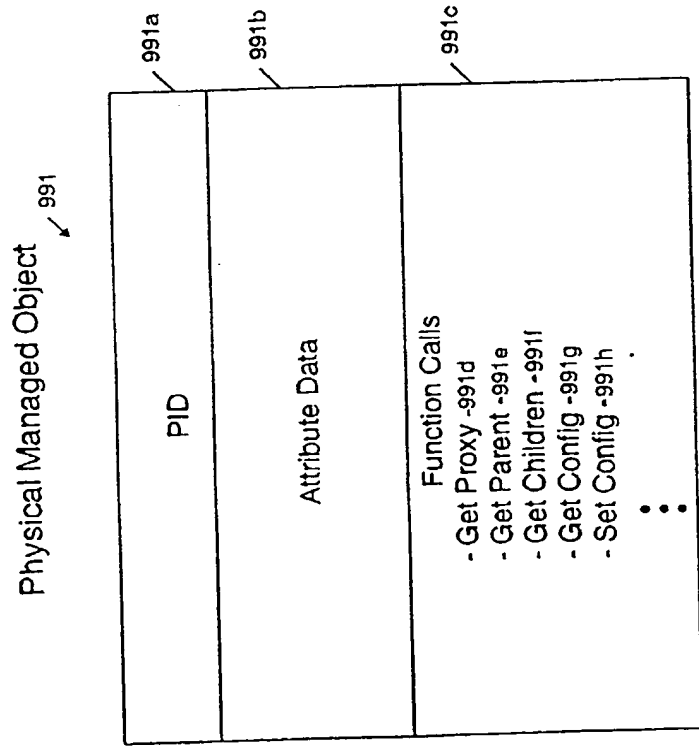
995a	LID	A1	...	An	995b Vir. Conn. LID	995c Cross-Conn. LID	995
	⋮	⋮	⋮	⋮	⋮	⋮	

Fig. 60m

Cross-Connect Table

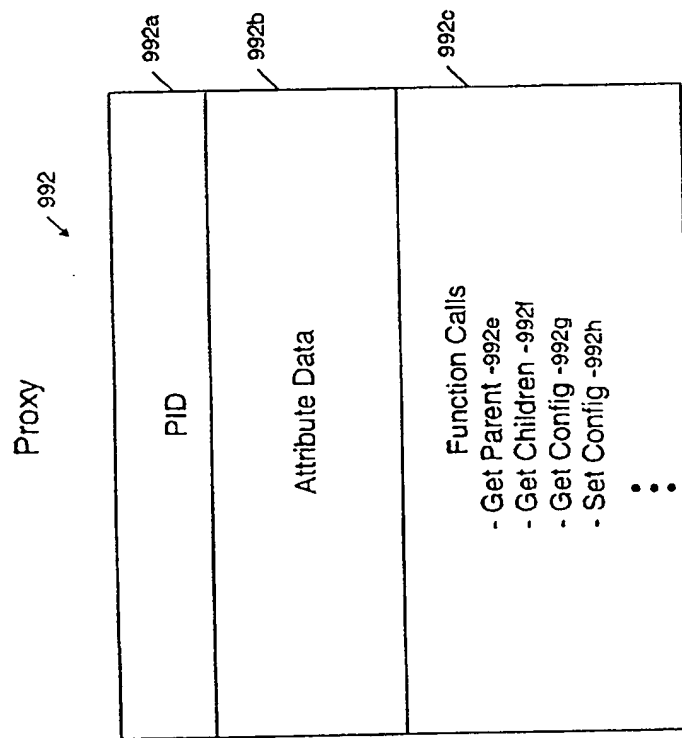
996a	LID	A1	...	An	996b Vir. Link1 LID	996c Vir. Link2 LID	996
	⋮	⋮	⋮	⋮	⋮	⋮	

Fig. 61a



Downloaded from www.elsevier.com

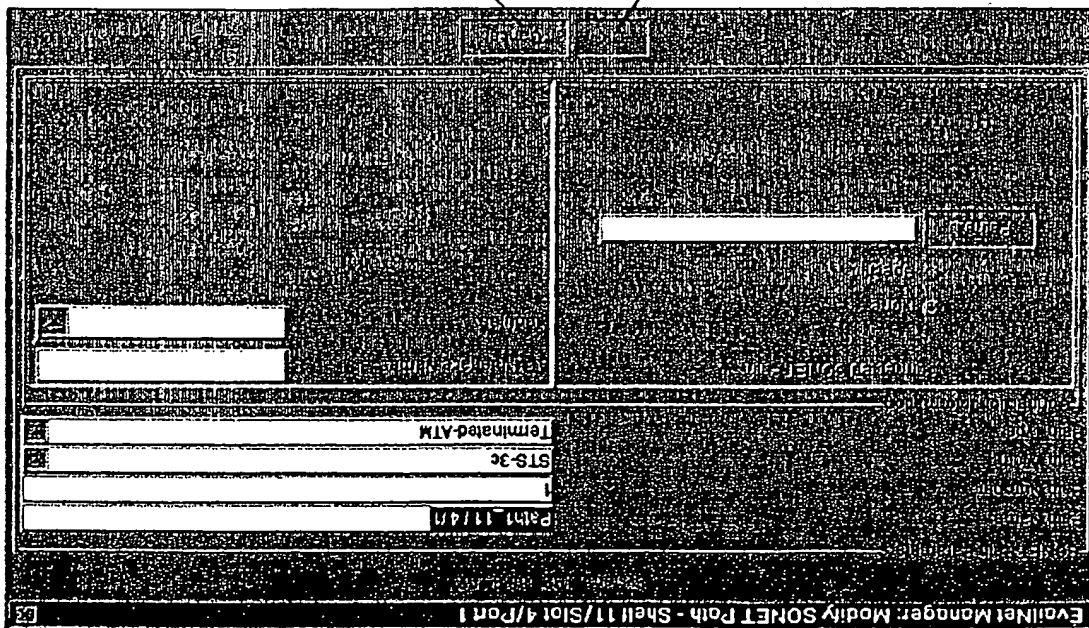
Fig. 61b



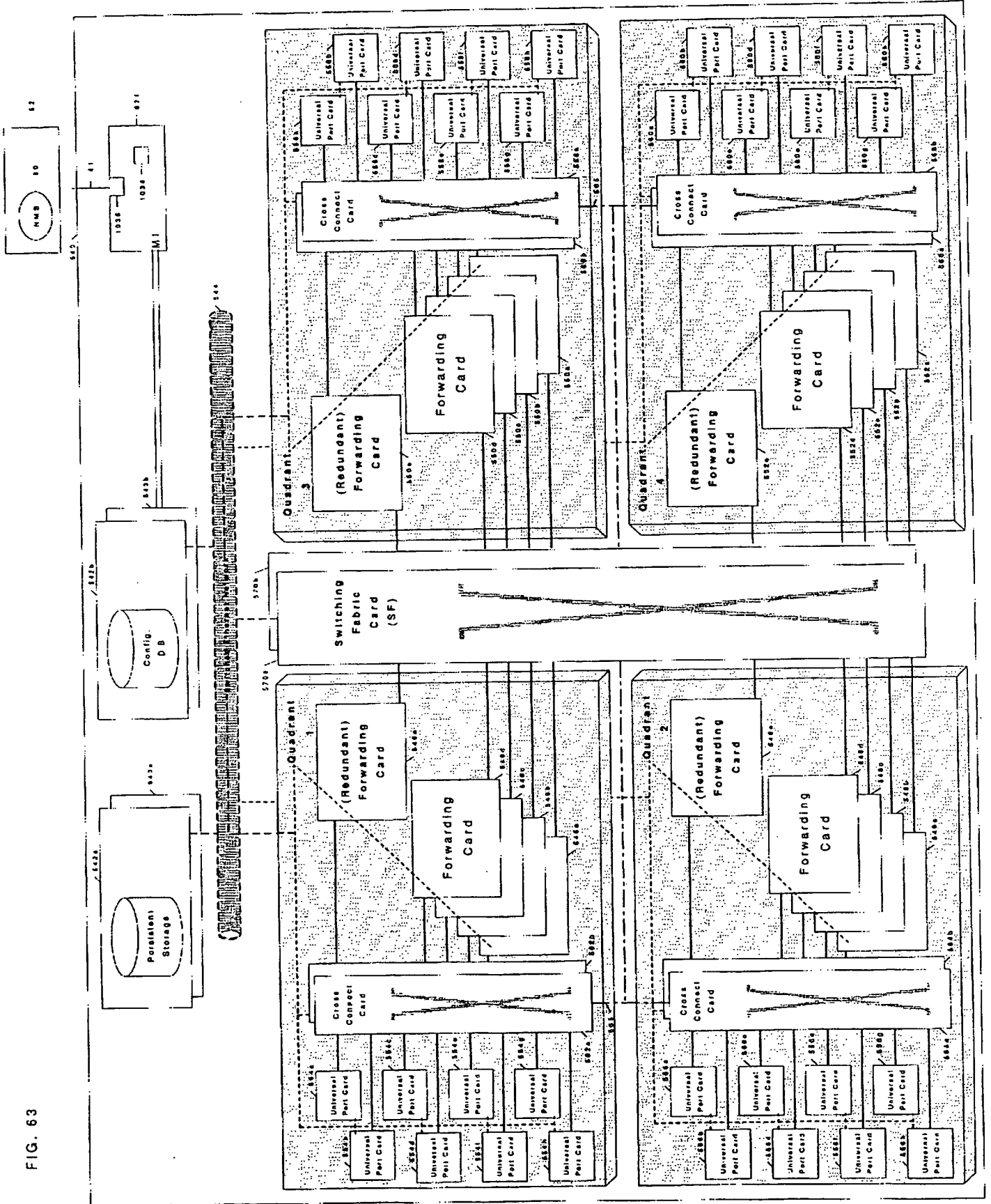
00748224 4 20 00

Fig. 62

9986
997a



997

[illegible]

Administration Managed Device Table

[illegible]

FIG. 65

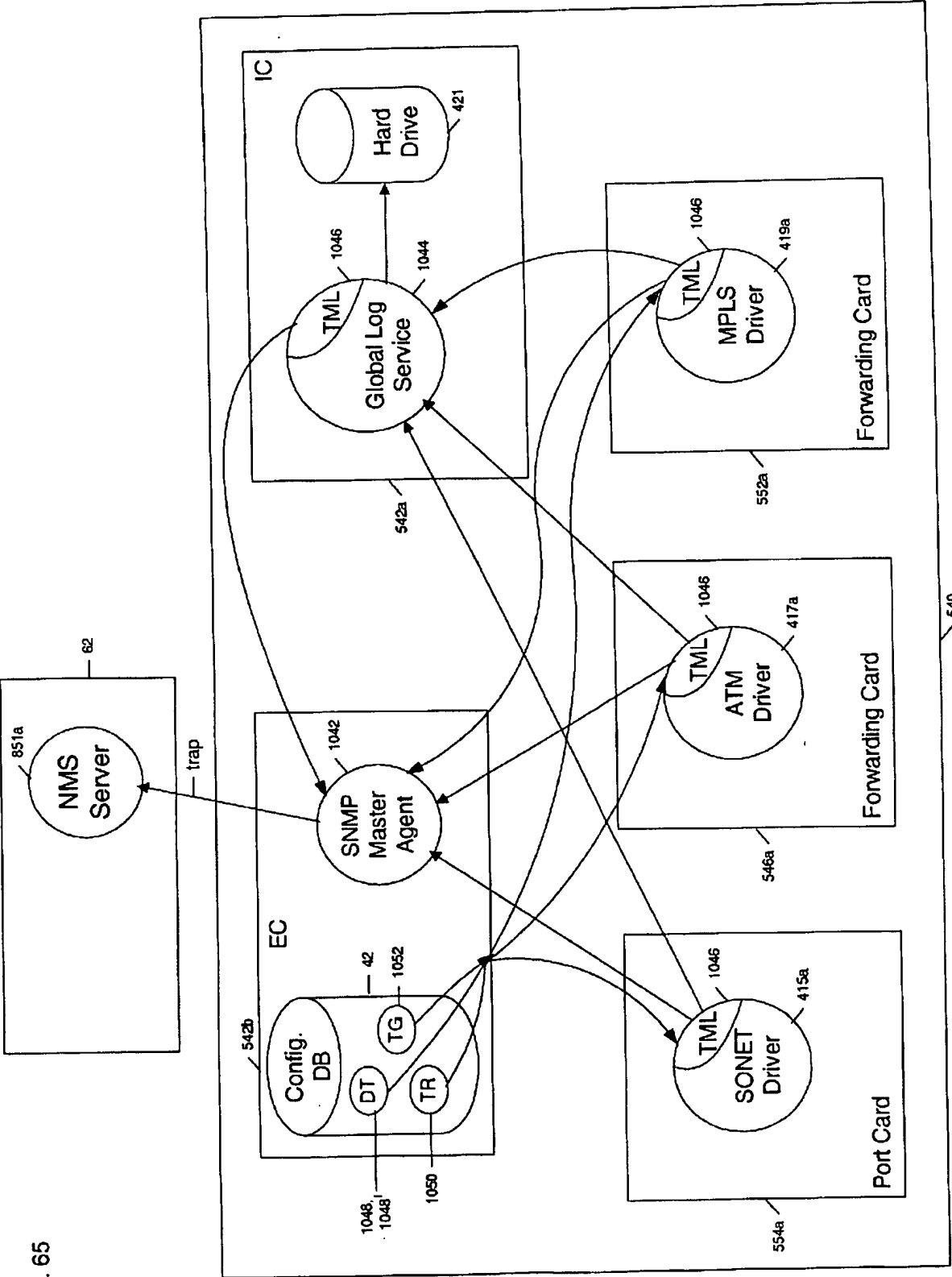


Fig. 65

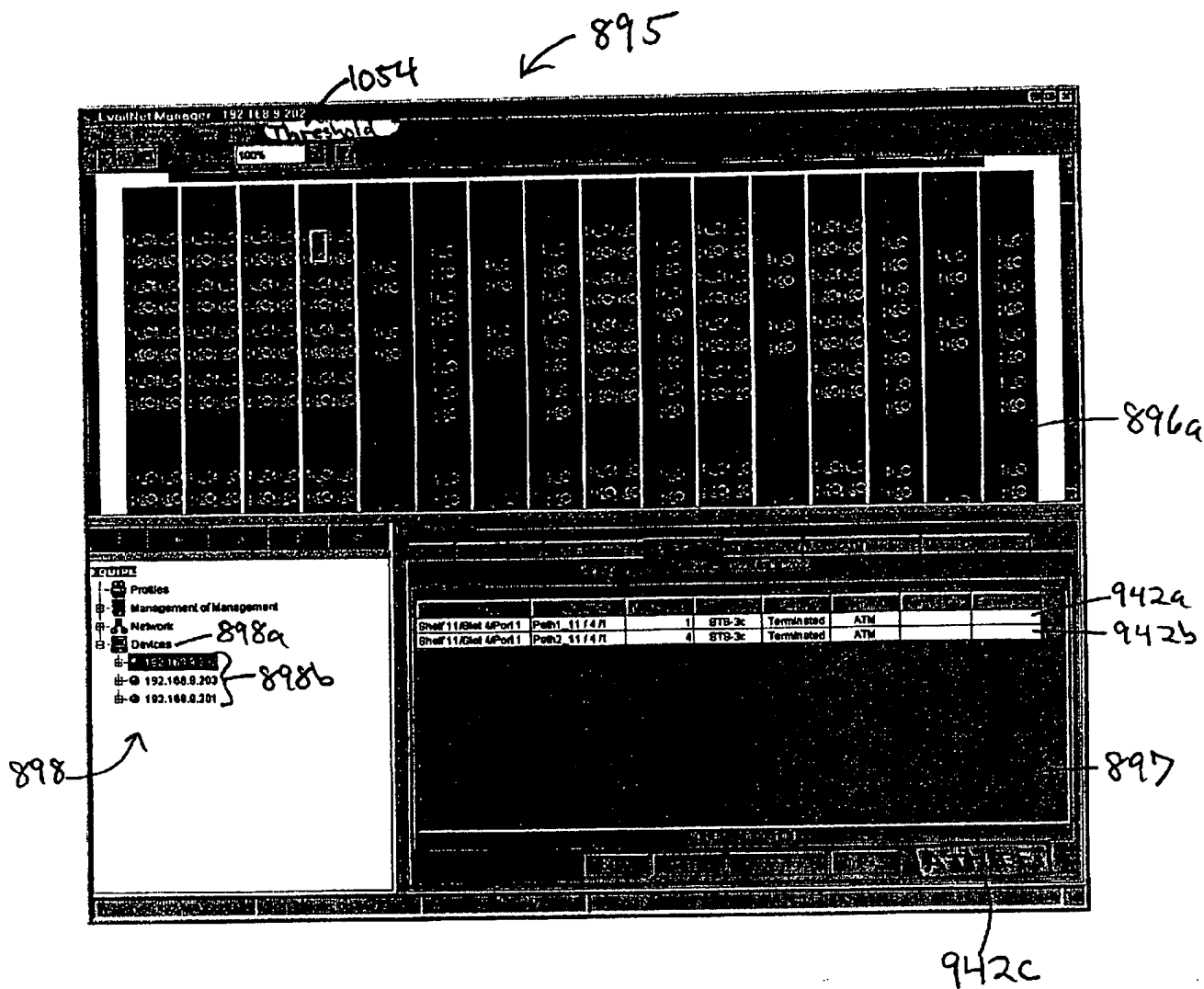


Fig. 66a

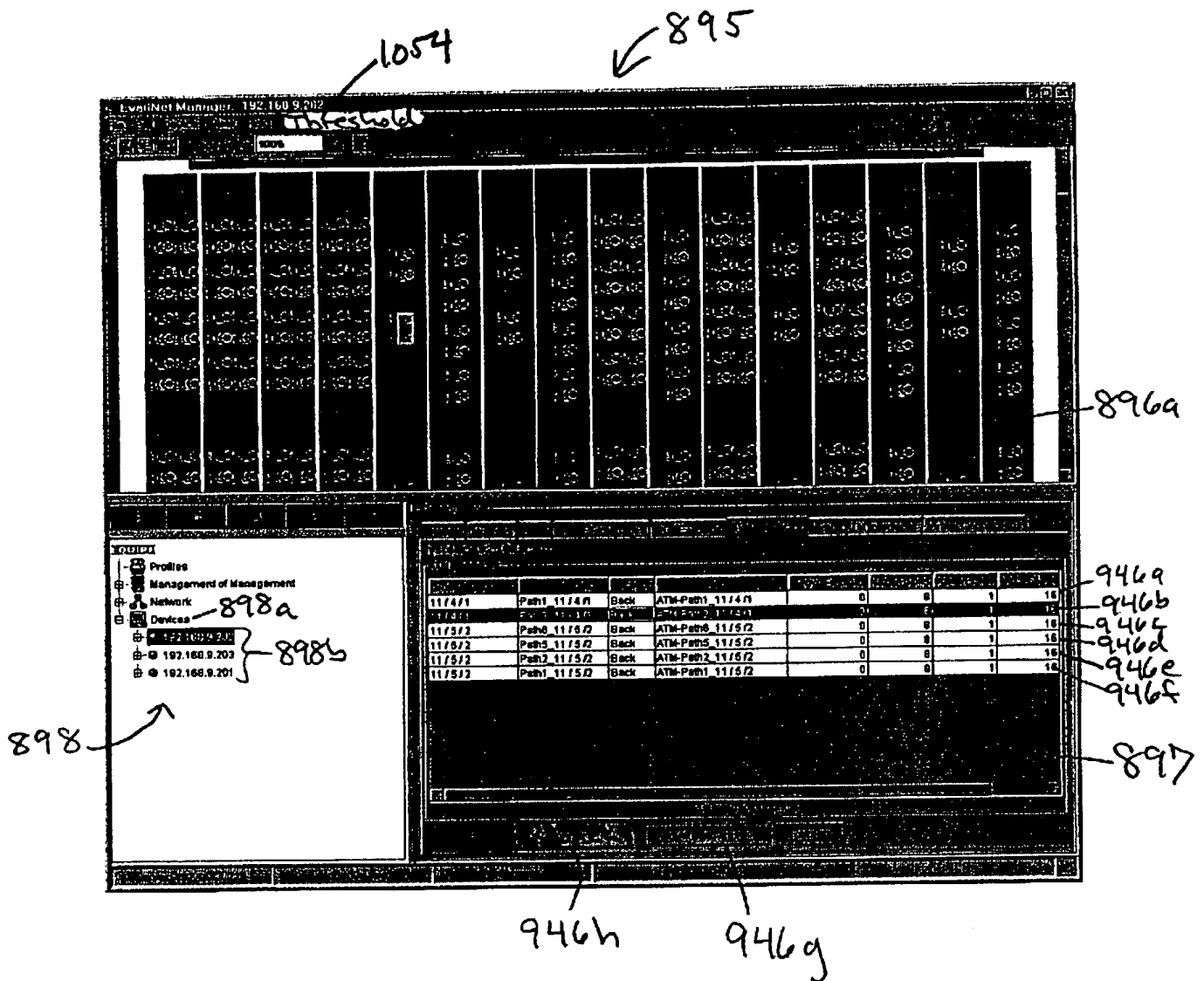
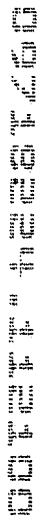


Fig. 66b

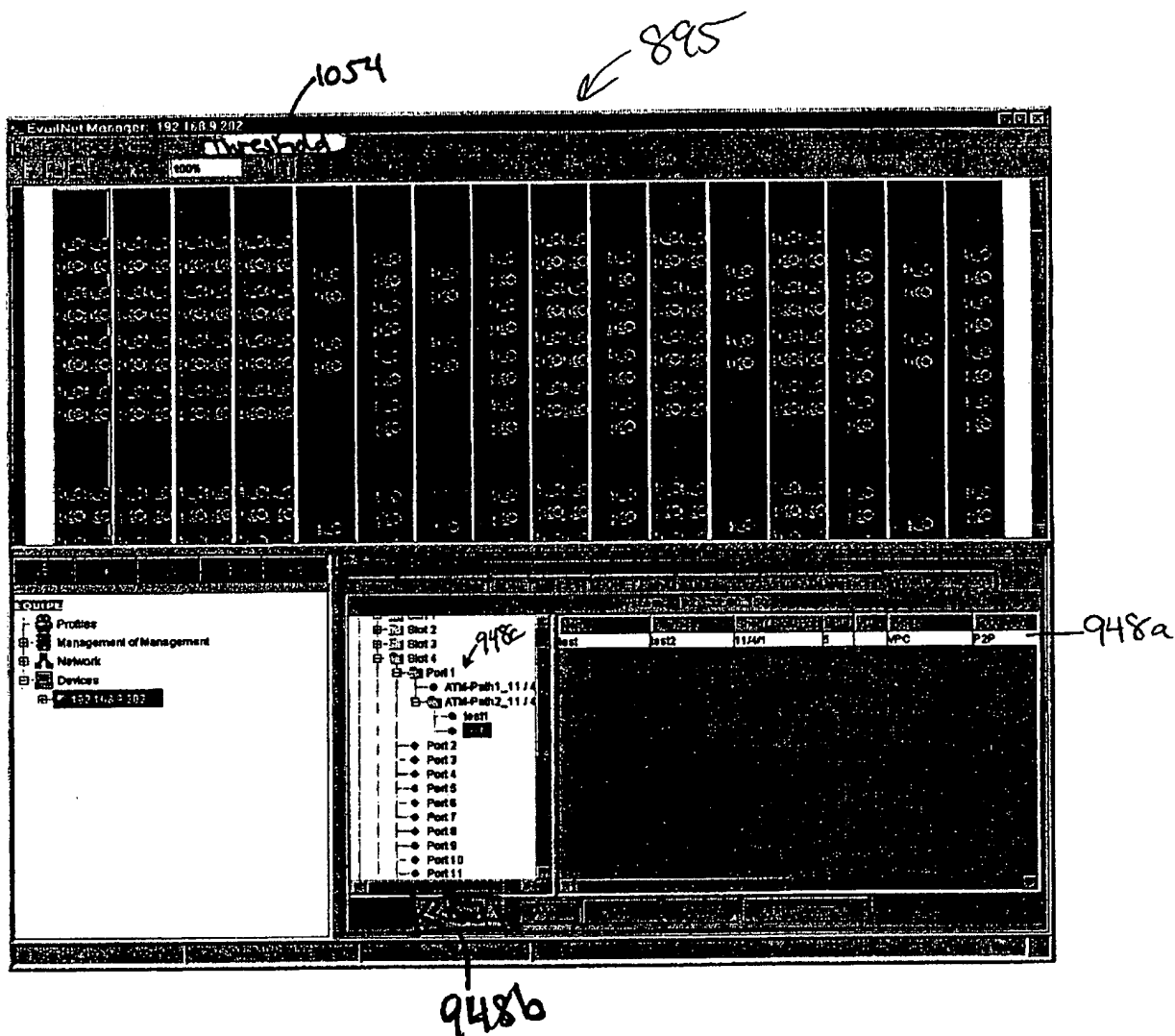


Fig. 66d

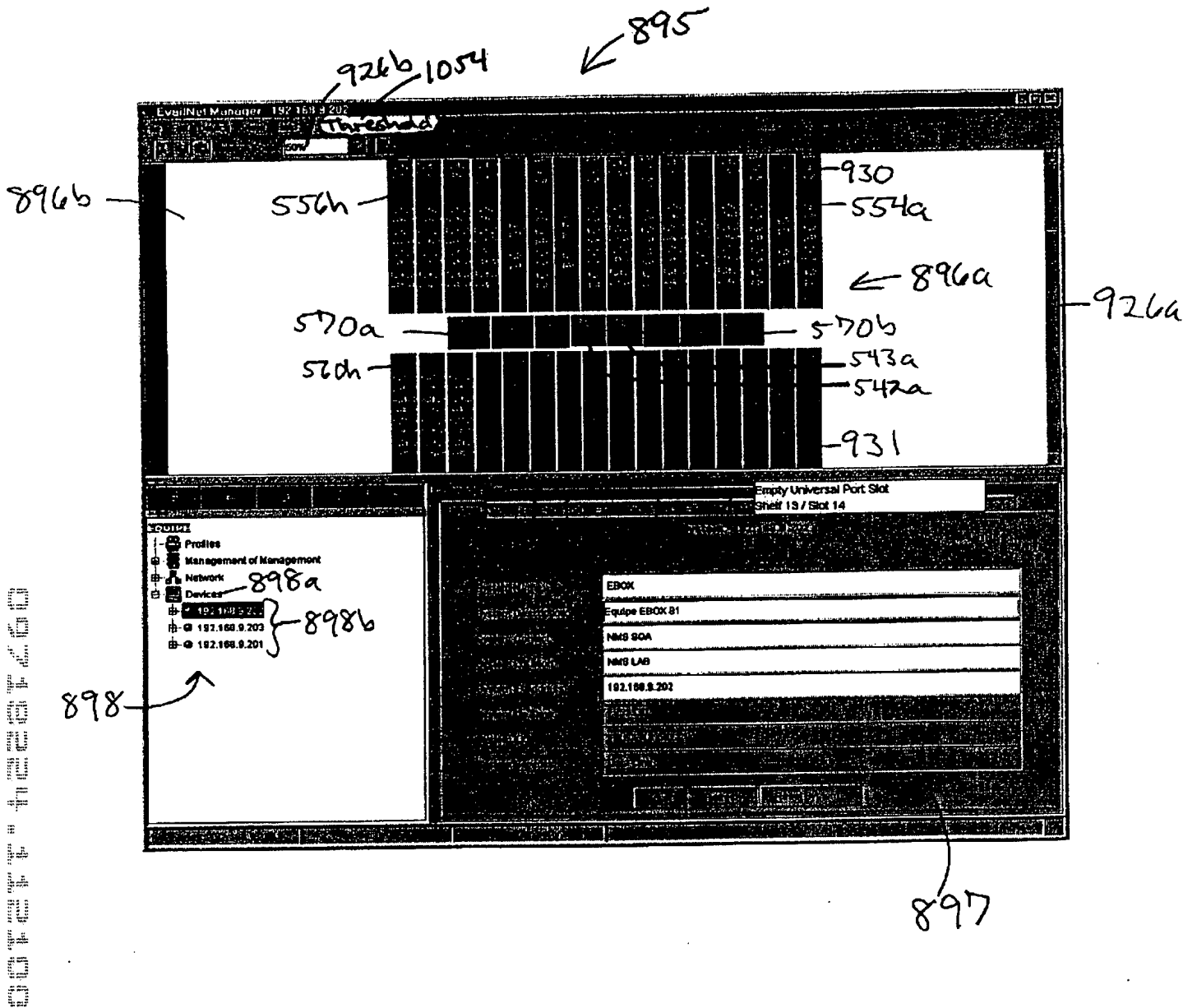


Fig. 66e

Fig. 67

1056
↙

Threshold Dialog Box

1056aResource:

1056bAttribute:

1056cThreshold Rule:

1056dSampling Frequency:

1056dAction:

1056o☐ Log

1056n☐ NMS

1056pOK

Cancel

1056i

▼

1056k

▼

1056l

▼

1056m

▼

1056f

1056g

1056h

1056i

CONFIDENTIAL

Fig. 68

Dynamic Threshold Table

1048

	1048a Resource ID	1048c Attribute	1048d Sampling Freq.	1048e Action	1048f Rule
1048g	901	Unavailable Seconds (Path end)	15 min	Log	if attribute > 10
	901	Path Errors (path end)	15 min	trap	if attribute <5 or >10
	901	Path Errors (path end)	5 min	Log & trap	if attribute <5 or >10
	⋮	⋮	⋮	⋮	⋮
	5054	failed call attempts	10 min	trap	if attribute >8 between 8:00am-7:00pm or >2 between 7:00pm-8:00am
1048h	5054	hcs errors	12 min	trap	if attribute >13
	⋮	⋮	⋮	⋮	⋮
	7312	Rx Traffic	1 hour	trap	if attribute <4
	7312	Tx Traffic	1 hour	trap	if attribute =∅
	⋮	⋮	⋮	⋮	⋮

1048'

Dynamic Threshold Table

1048a' Thr. Group LID	1048b' Resource	1048c' Attribute	1048d' Sampling Freq.	1048e' Action	1048f' Rule
8312	SONET Path	Unavailable Seconds (Path end)	15 min	Log	if attribute > 10
8312	SONET Path	Path Errors (Path end)	15 min	trap	if attribute <5 or >10
8312	SONET Path	Path Errors (far end)	5 min	Log & trap	if attribute <5 or >10
•	•	•	•	•	•
•	•	•	•	•	•
8433	ATM If	failed call attempts	10 min	trap	if attribute >8 between 8:00am-7:00pm or >2 between 7:00pm-8:00am
8433	ATM If	hcs errors	12 min	trap	if attribute >13
•	•	•	•	•	•
•	•	•	•	•	•
8542	Virtual Conn.	Rx Traffic	1 hour	trap	if attribute <4
8542	Virtual Conn.	Tx Traffic	1 hour	trap	if attribute =0
•	•	•	•	•	•
•	•	•	•	•	•

Fig. 69a

Fig. 69b

1052

Threshold Group Table

1052aResource ID	1052bThreshold Group LID
901	8312
902	8313
903	8312
⋮	⋮
5054	8433
⋮	⋮
7312	8542

Fig. 70b

1050

Threshold Rule Table

1050a	Rule LID	Expression	1050b
1050c	9421	if attribute >a	
	9422	if attribute <a or >b	
	9423	if attribute > a between b-c or >d between e-f	
	9424	if attribute <a	
	9425	if attribute =0	
	9426	RMON	
	9427	FOE	
	9428	if attribute <a go to rule LID b	
	⋮	⋮	

FIG. 1

10

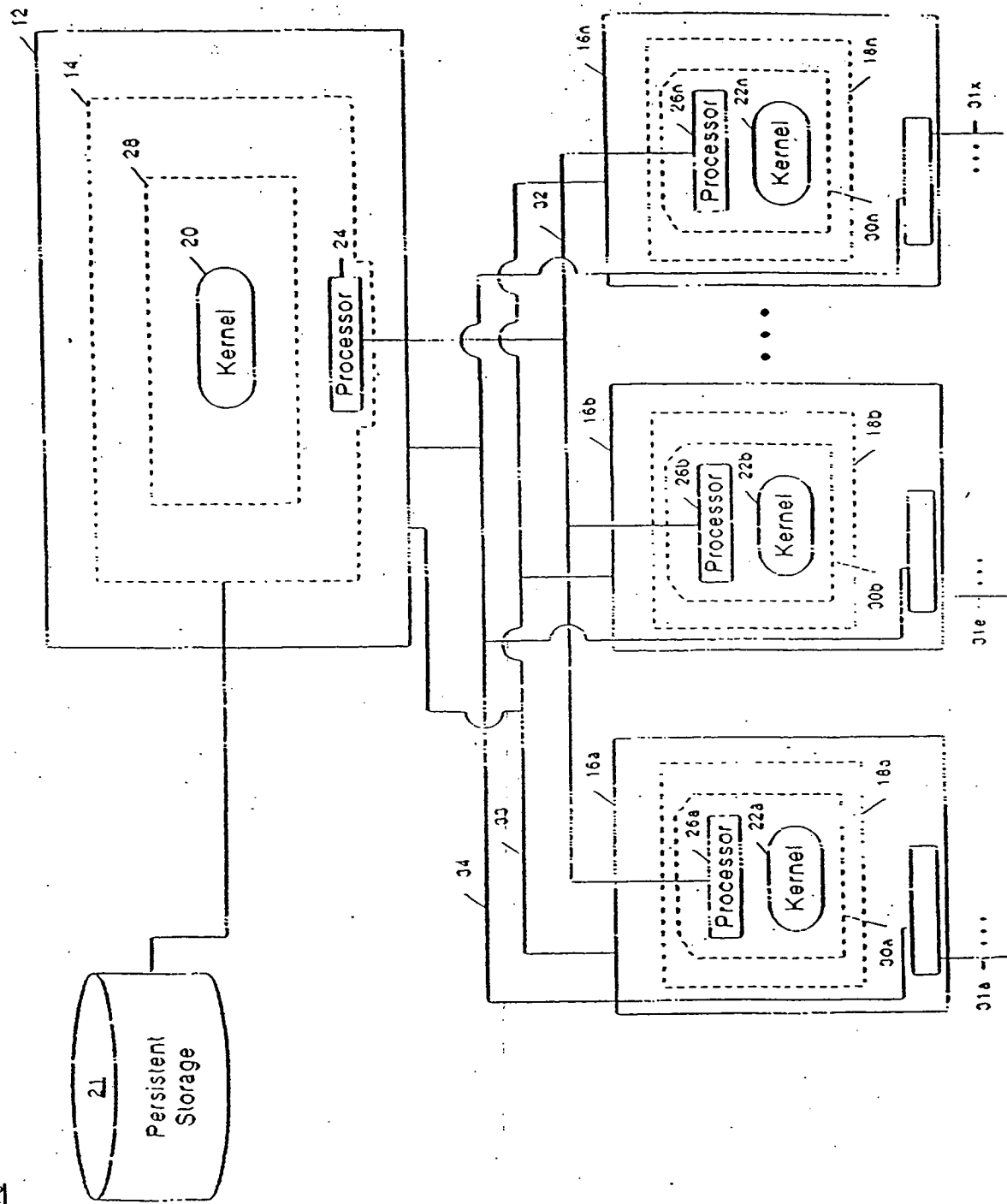


Fig. 2a

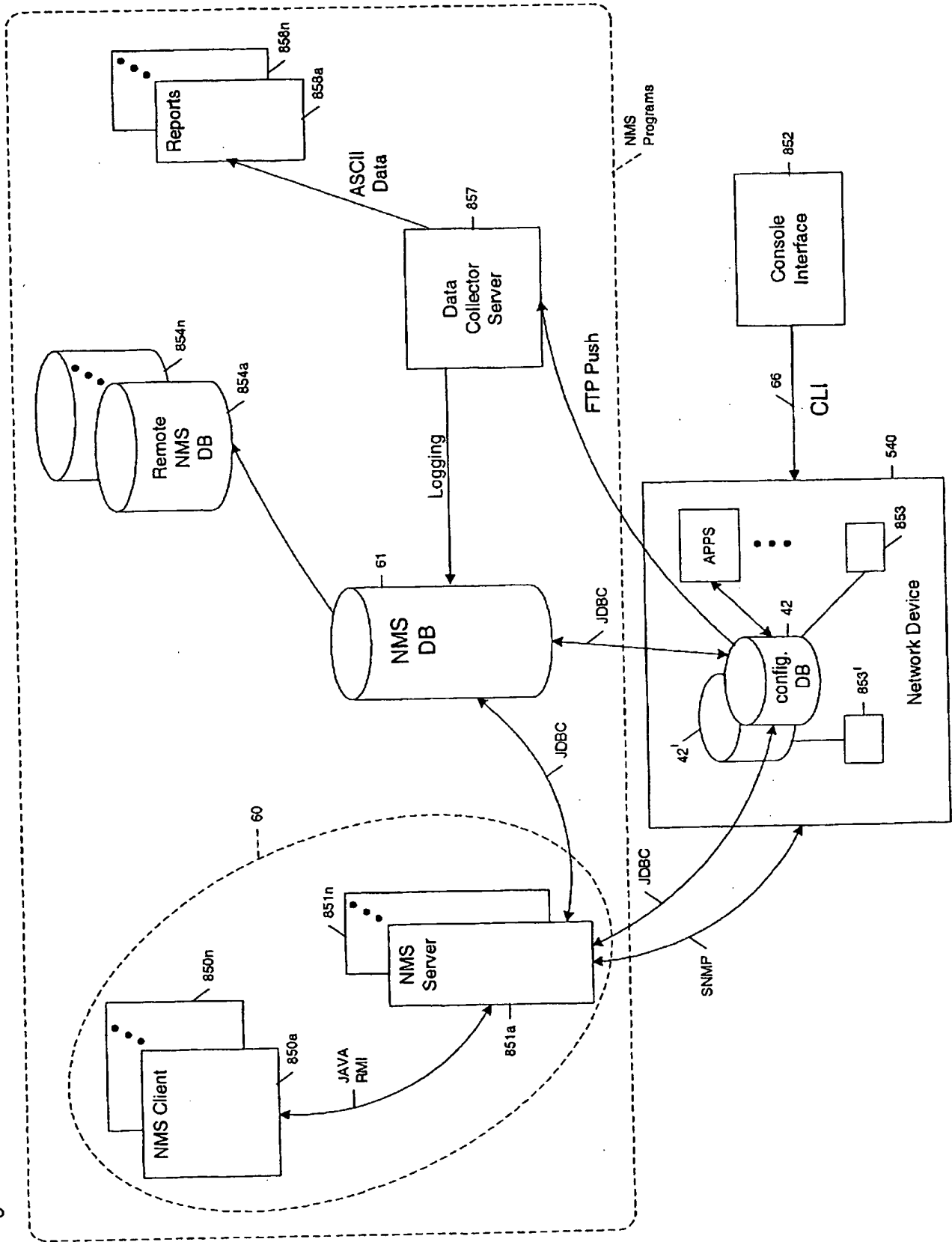
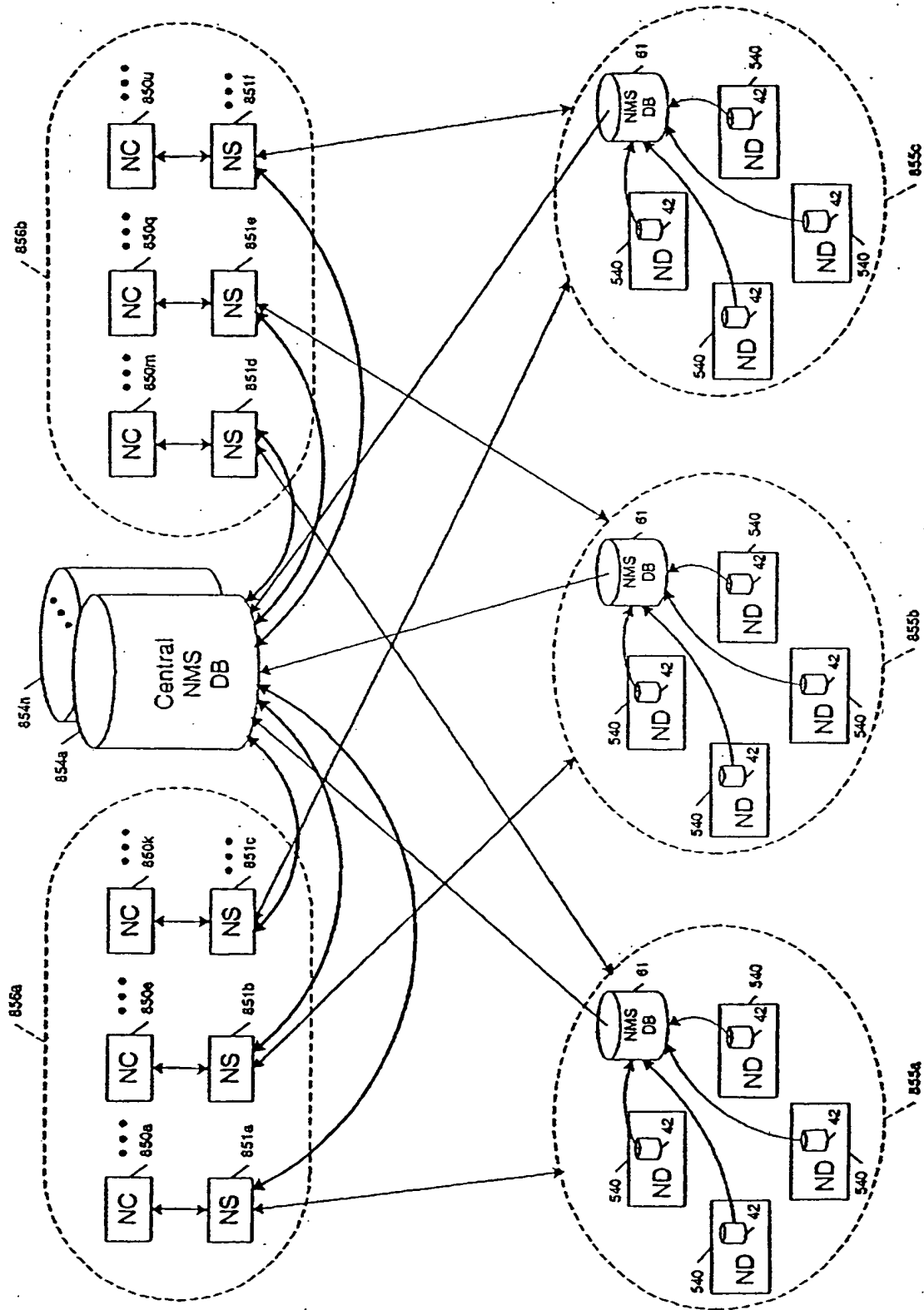
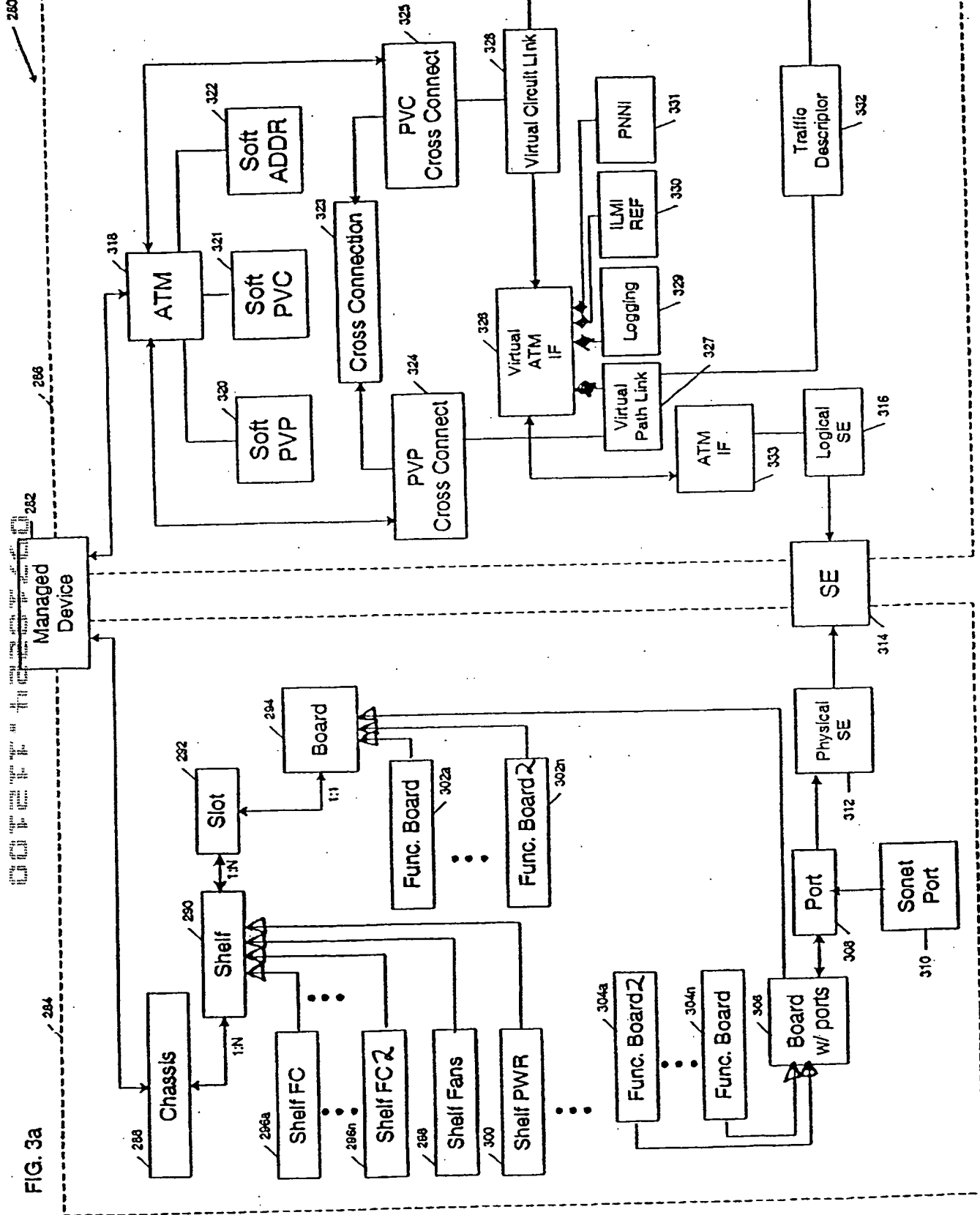


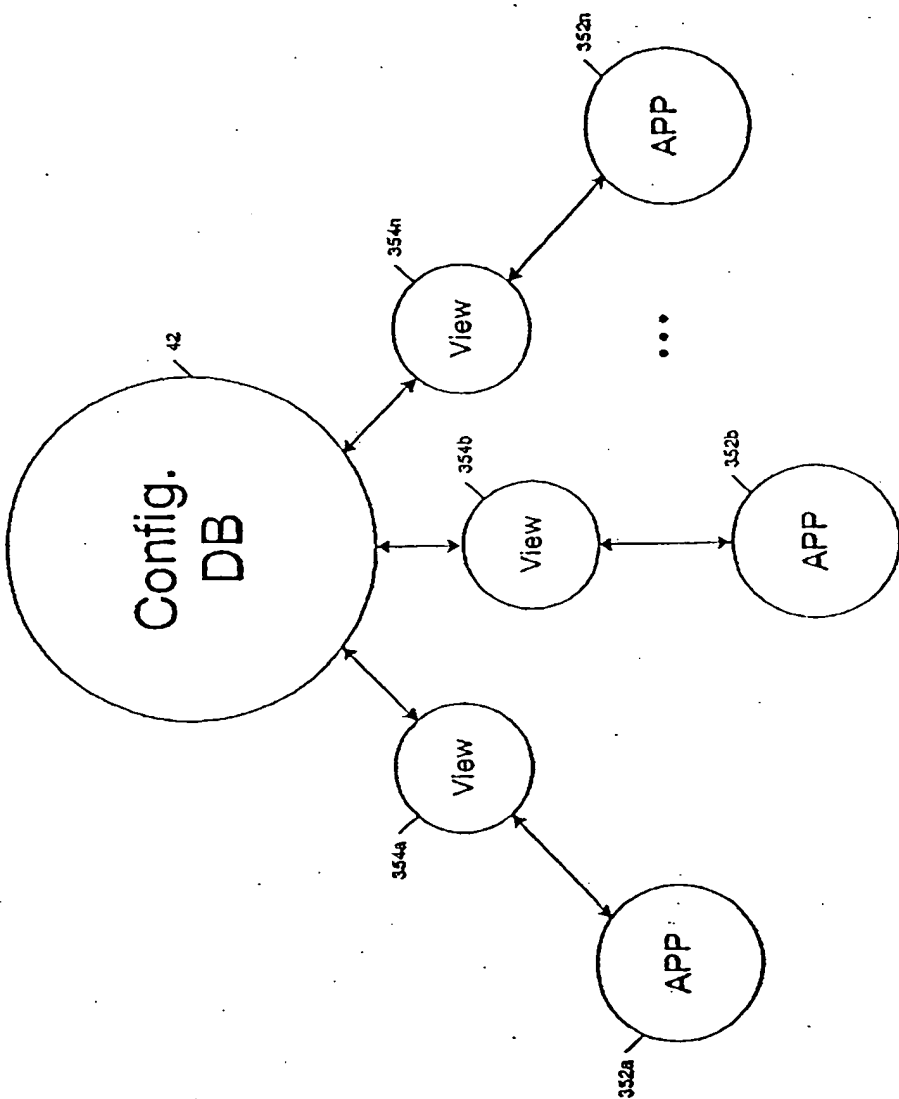
Fig. 2b





CONFIDENTIAL

FIG. 3c



Build SONET Application

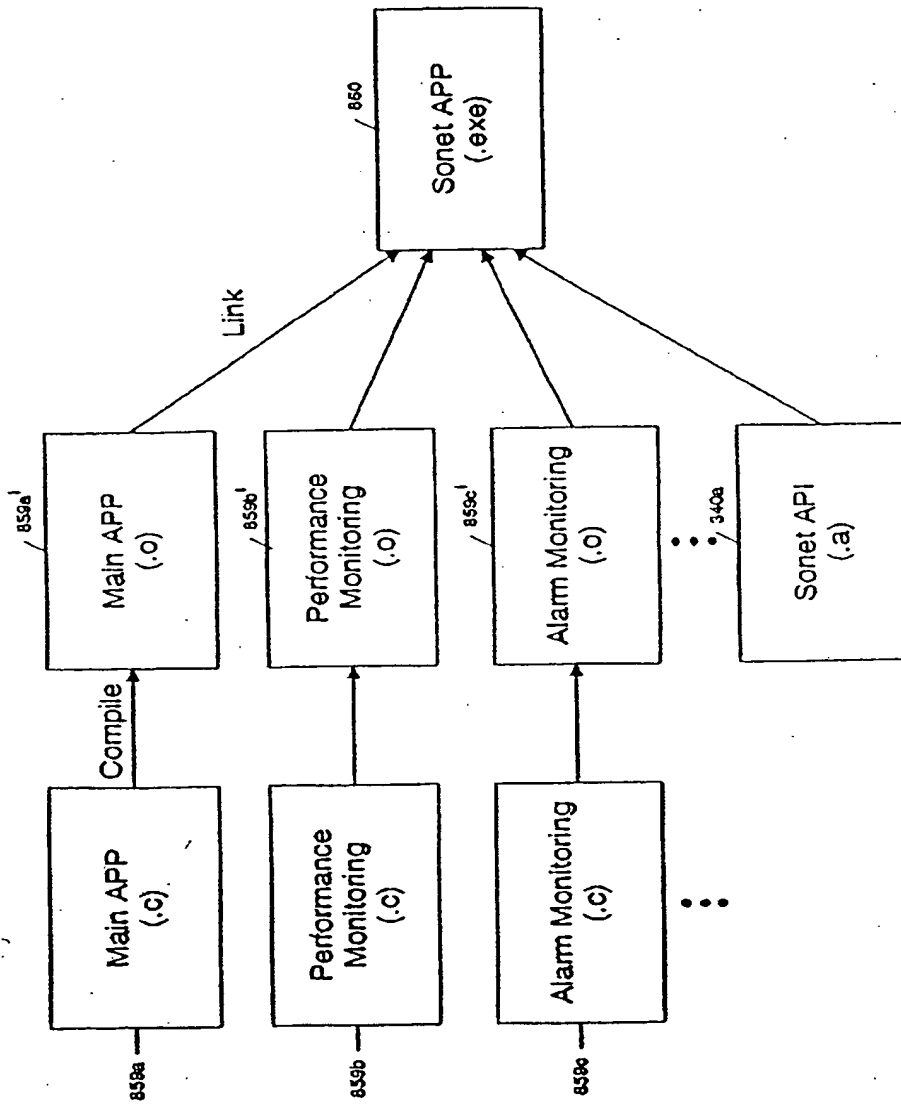


Fig. 3d

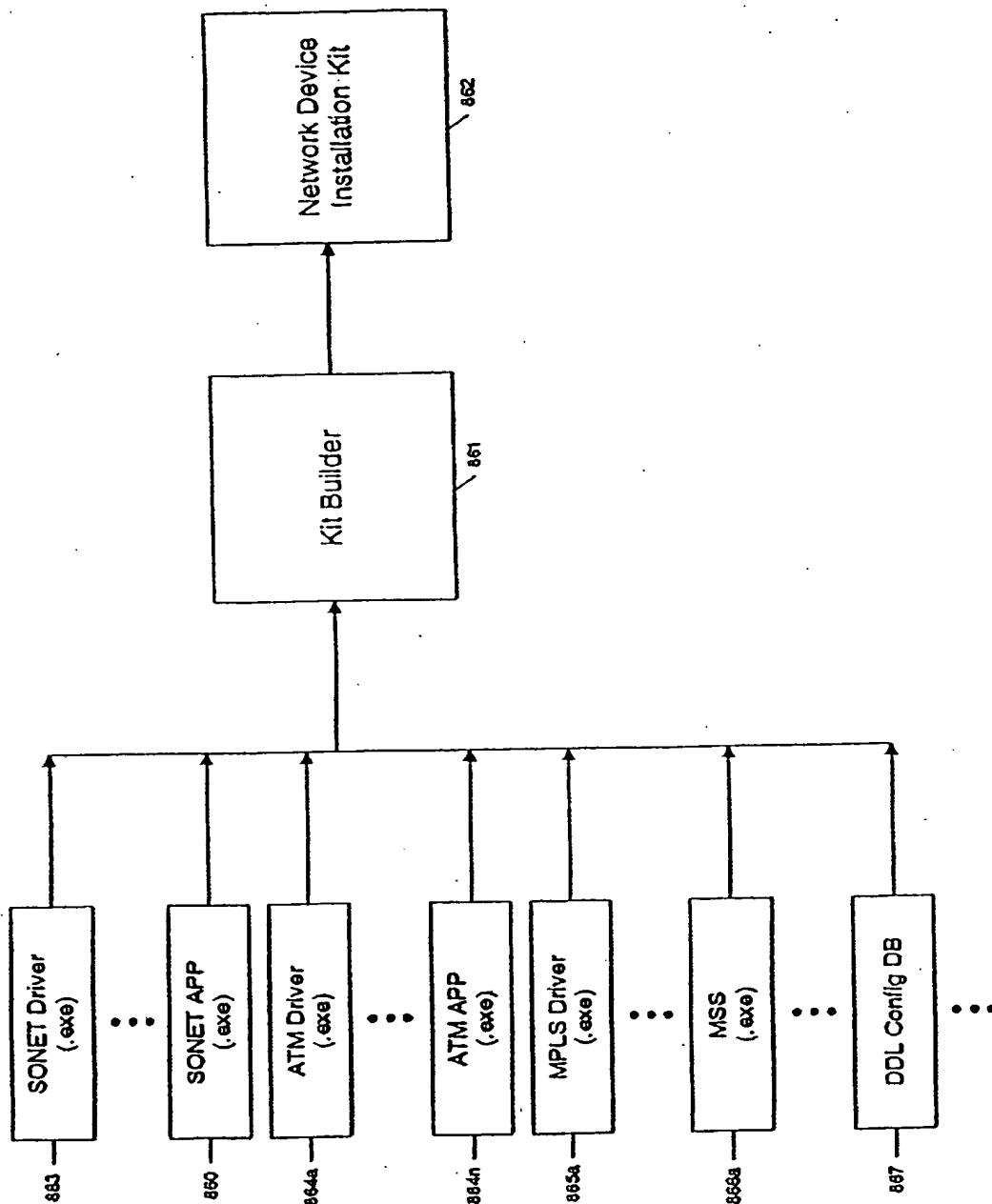


Fig. 3e

Fig. 3F

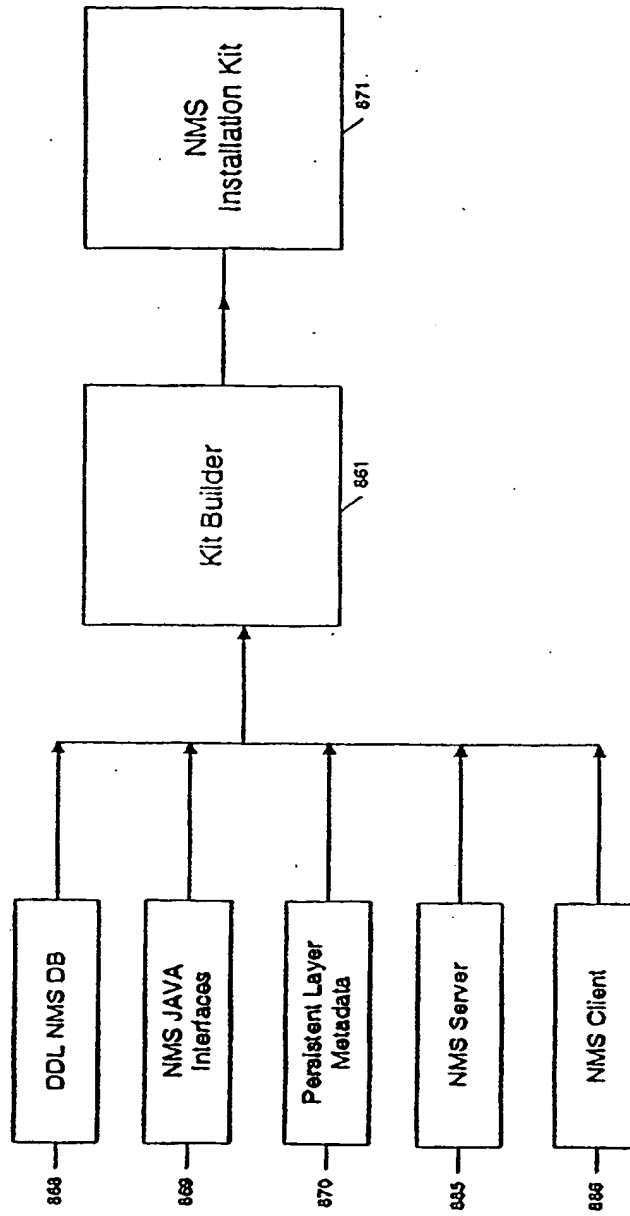
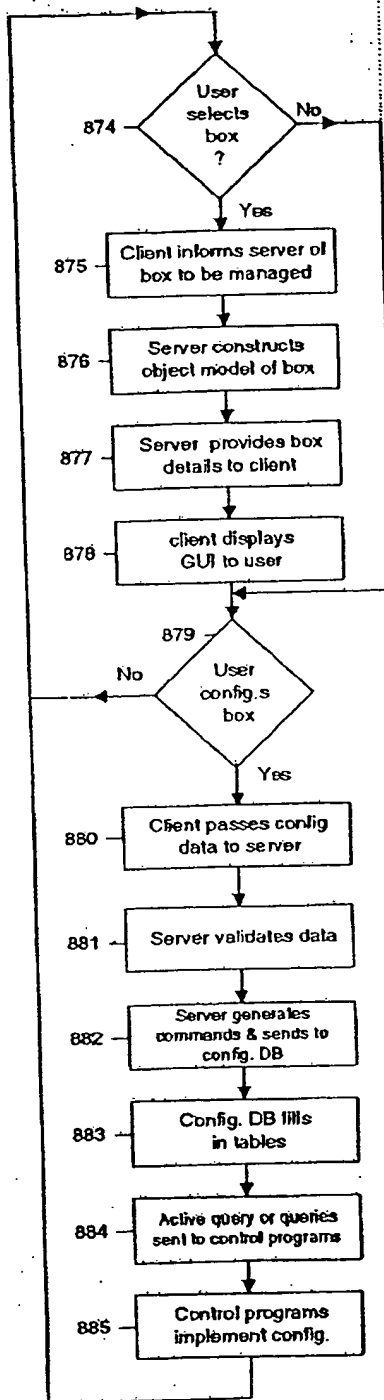


Fig. 3g



2025-07-21 16:24:00

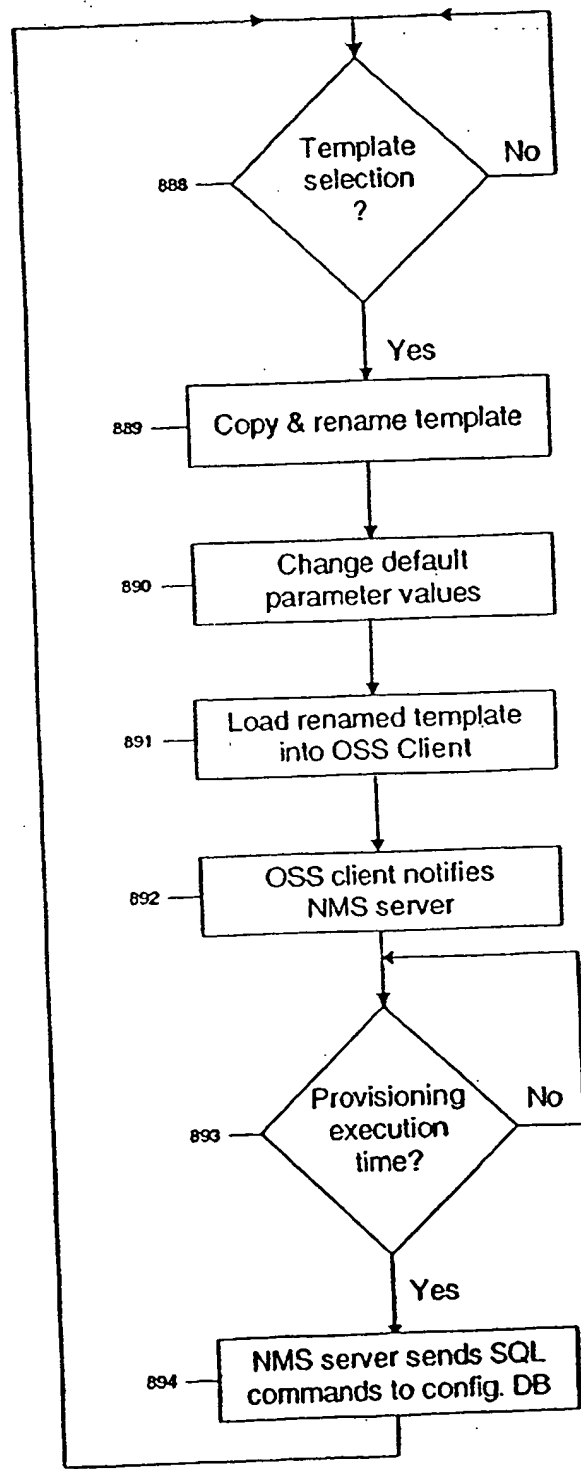
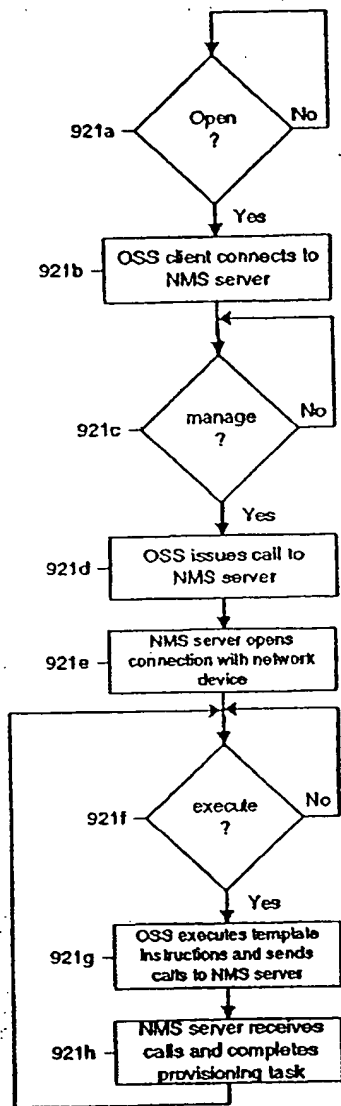


Fig. 3h

```
Enetcli>
Enetcli>
Enetcli> status
Not currently connected to server
Supporting templates:  CONTROZ, PUC, SPATH, SPUC, ID, and UAIF
Enetcli>
```

Fig. 3i

Fig. 3j



DO NOT WRITE IN THESE SPACES

← 924 BATCH

```
924; -Task53=execute-SPATH
```

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$.

Task112=execute-SPATH

THE NEW YORK PUBLIC LIBRARY

895

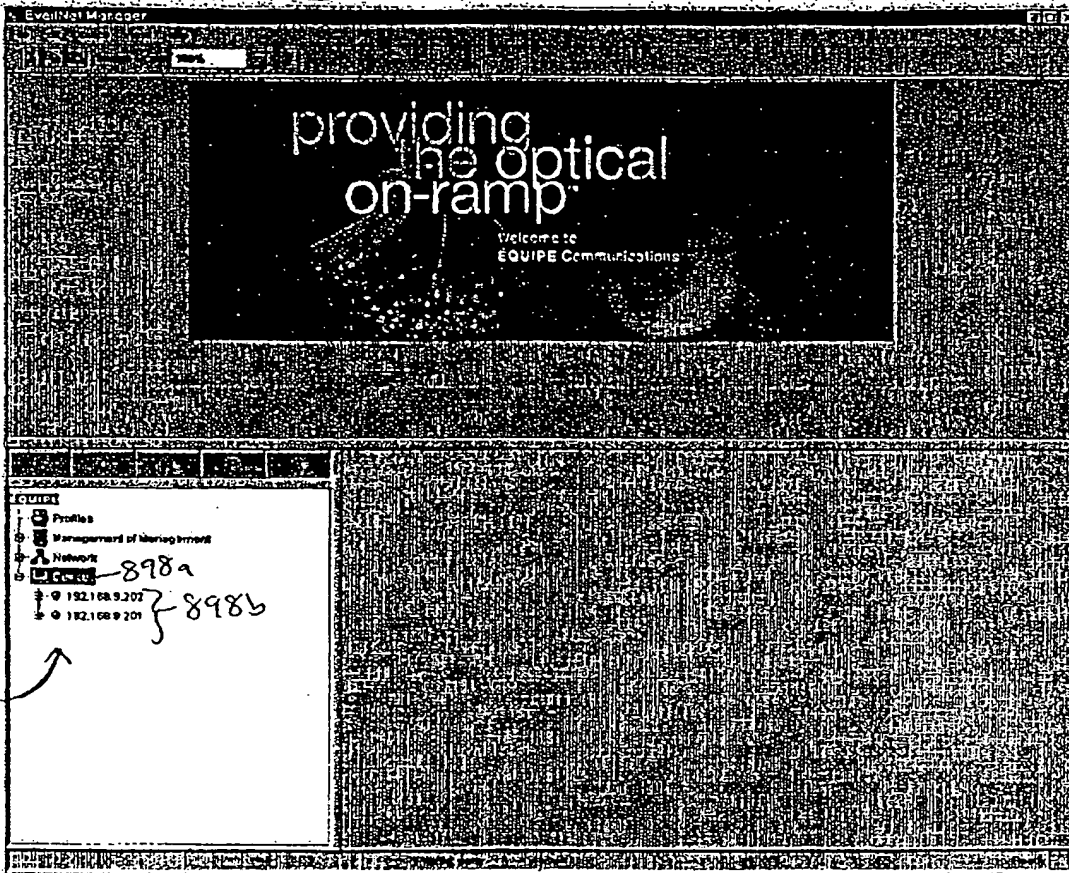


Fig. 4a

895

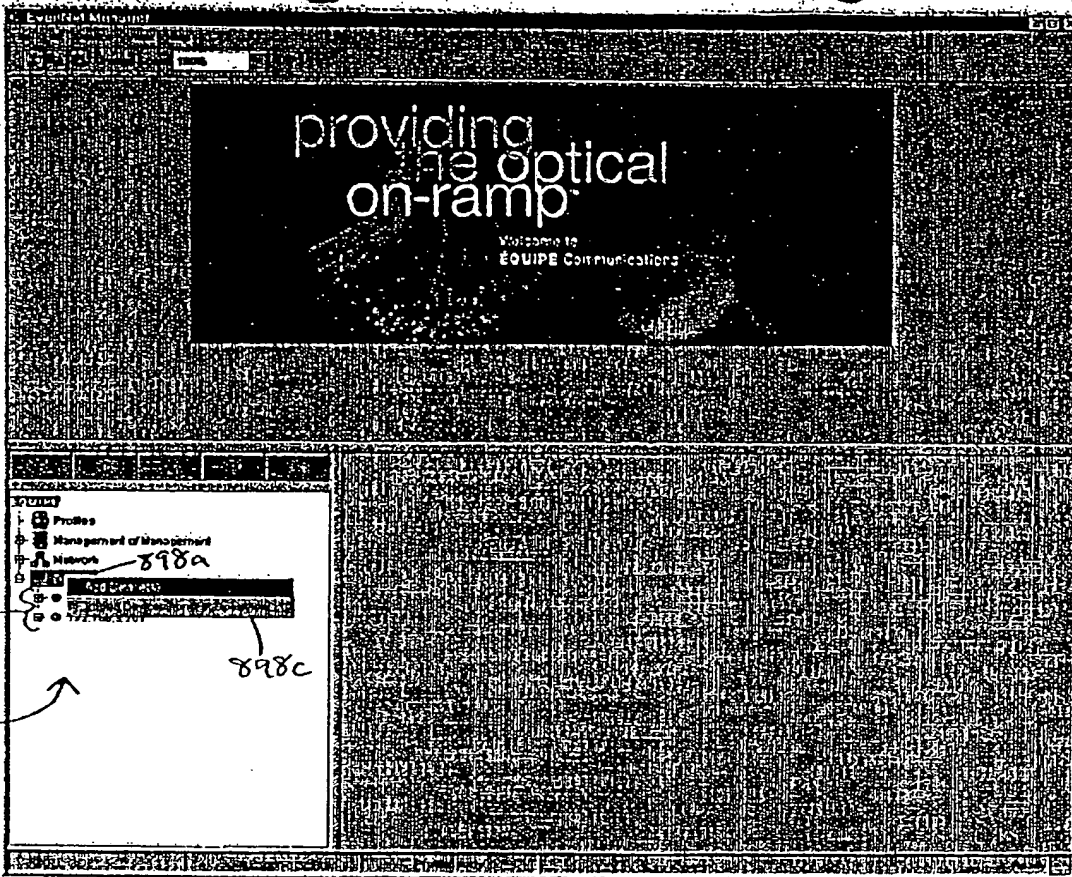


Fig. 4b

Fig. 4c

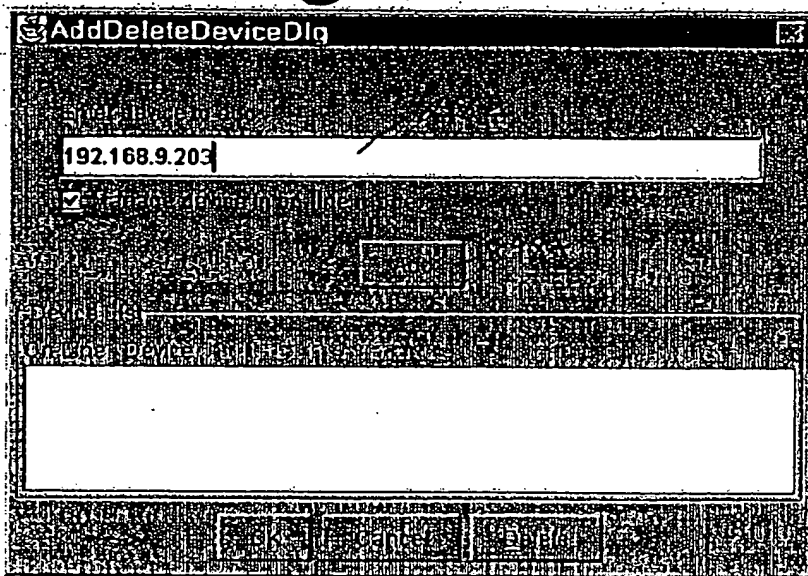
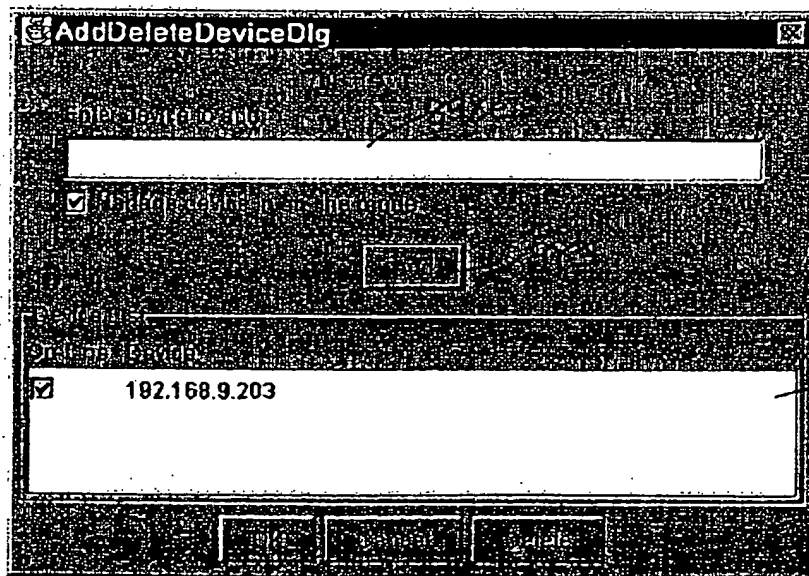


Fig. 4d



895

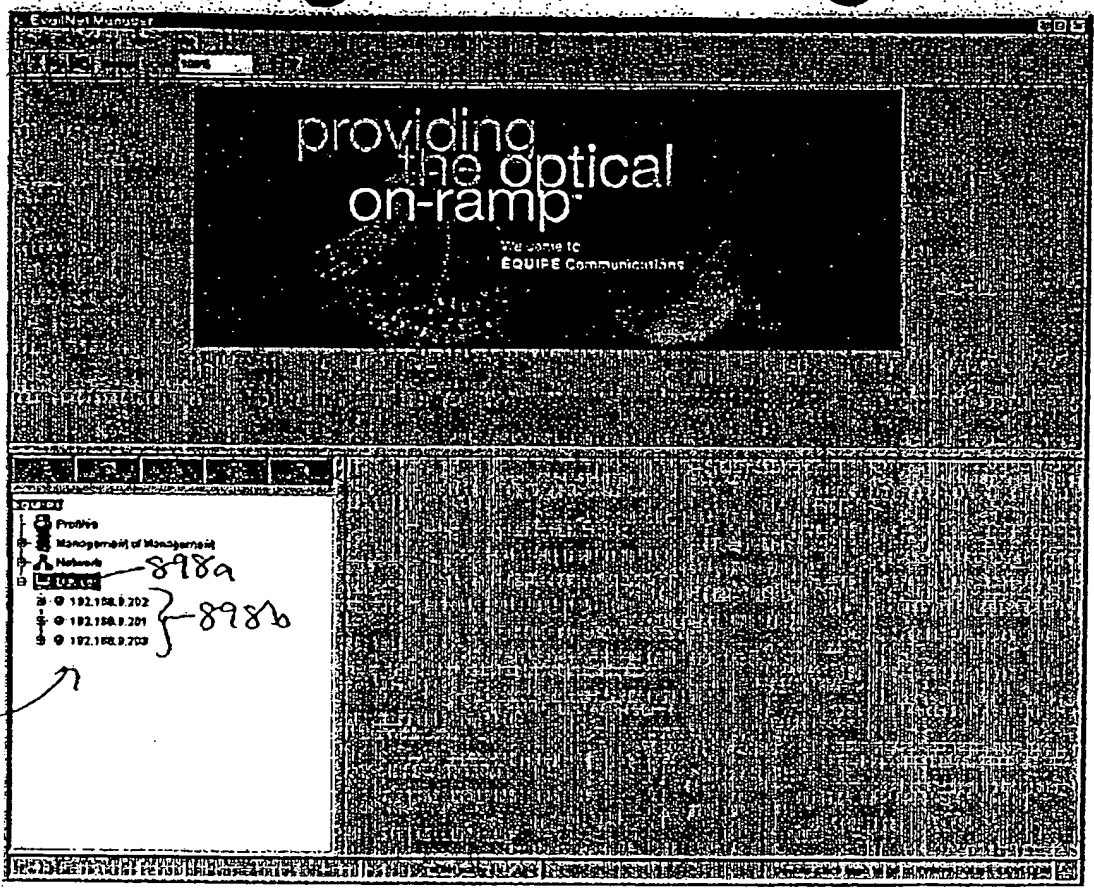


Fig. 4e

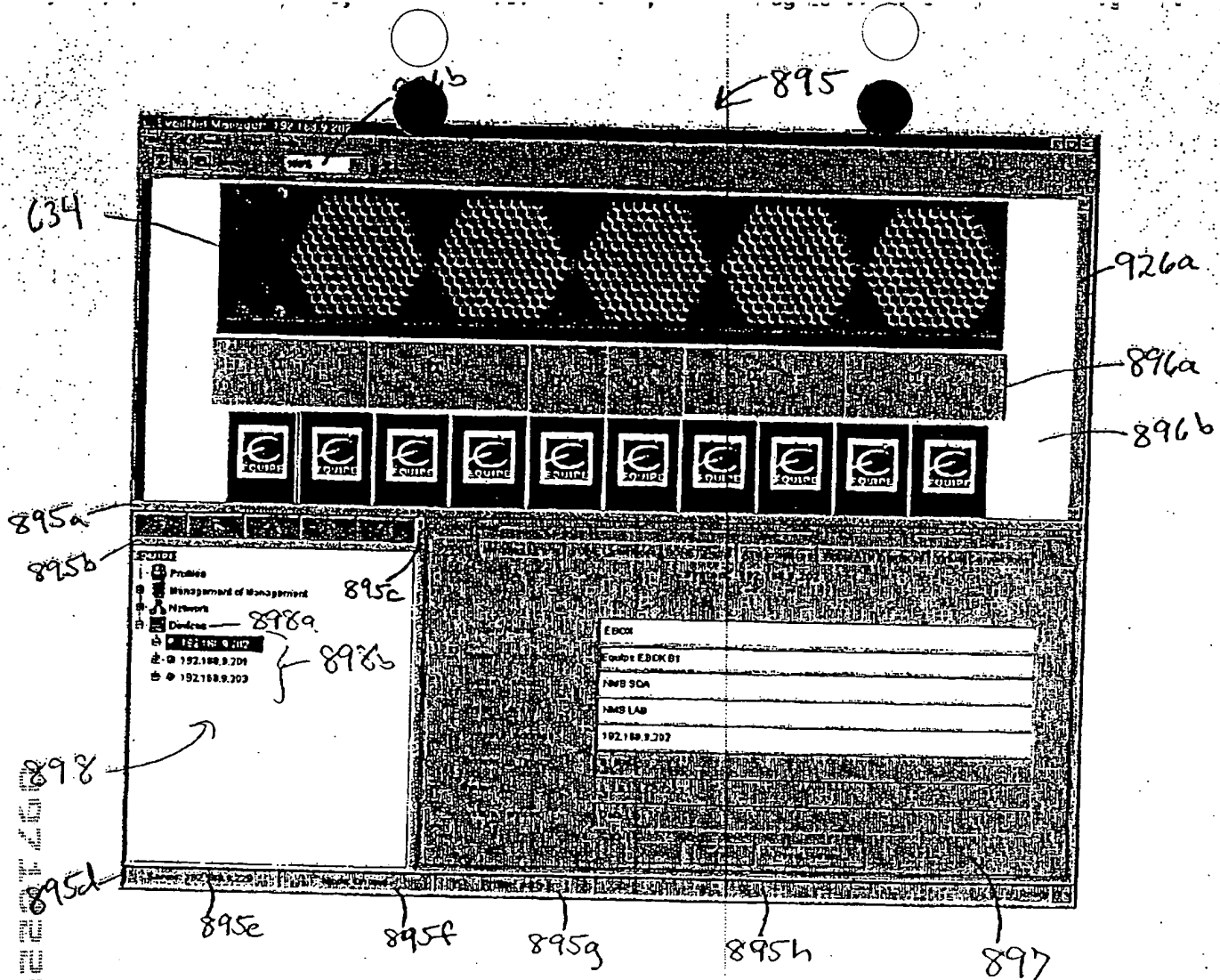


Fig. 4f

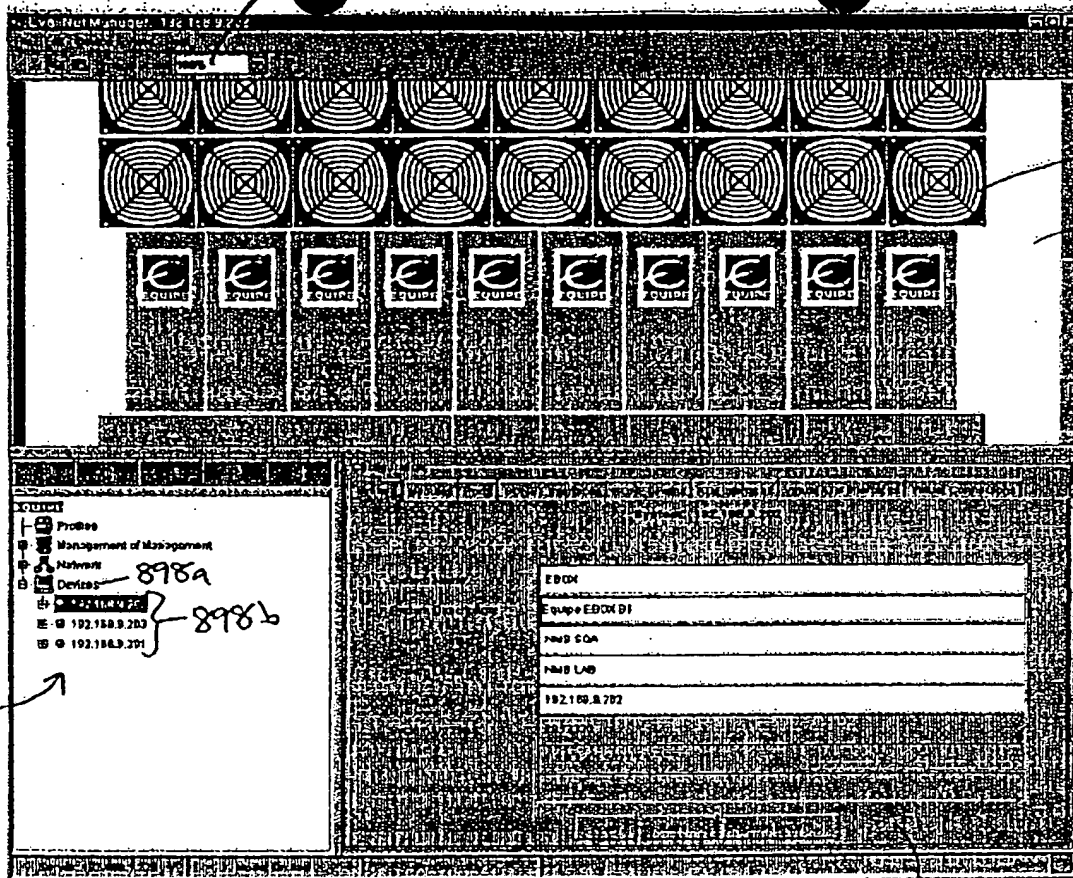


Fig. 4g

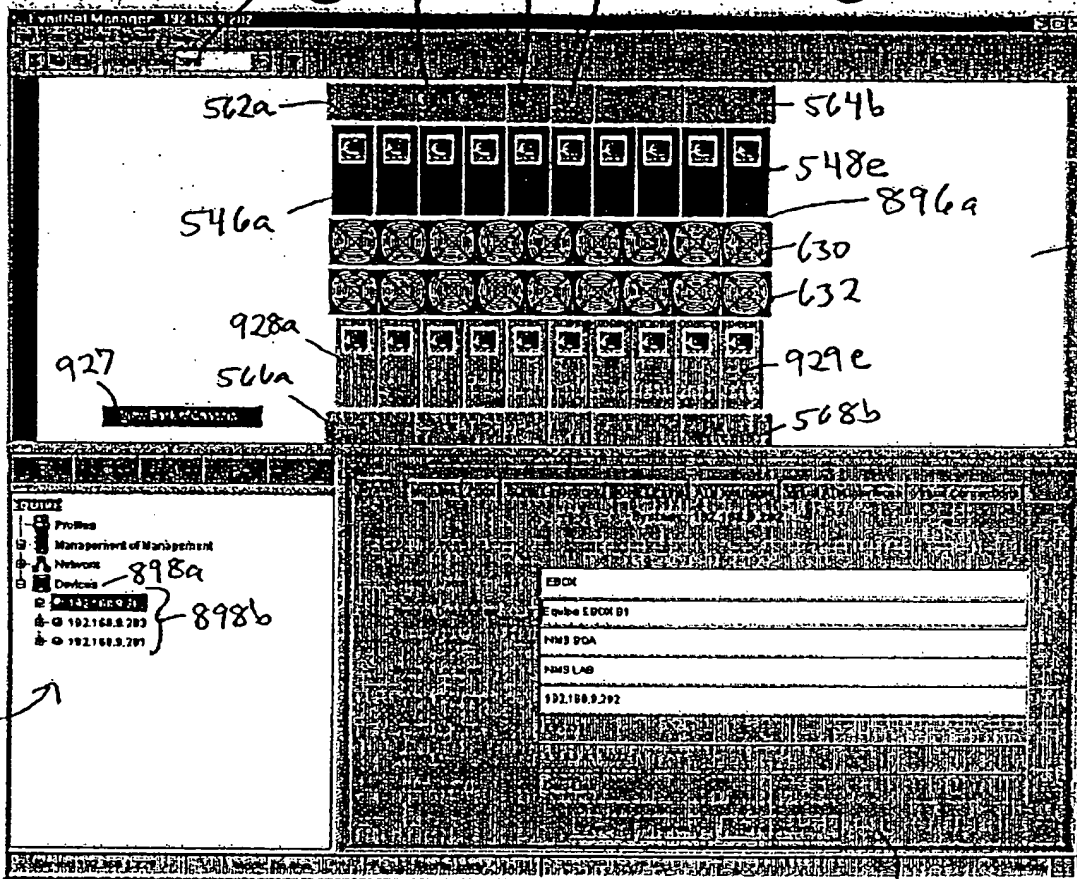


Fig. 4h

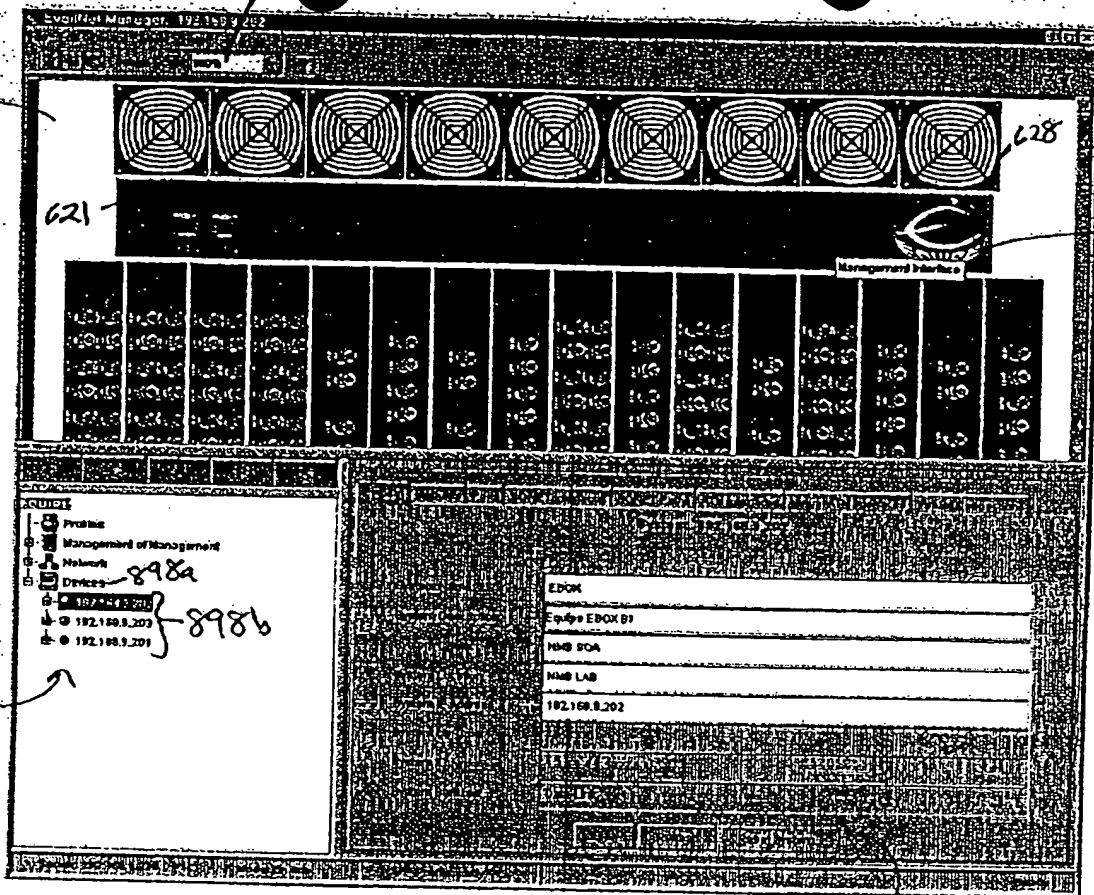


Fig. 4i

00718204 12100

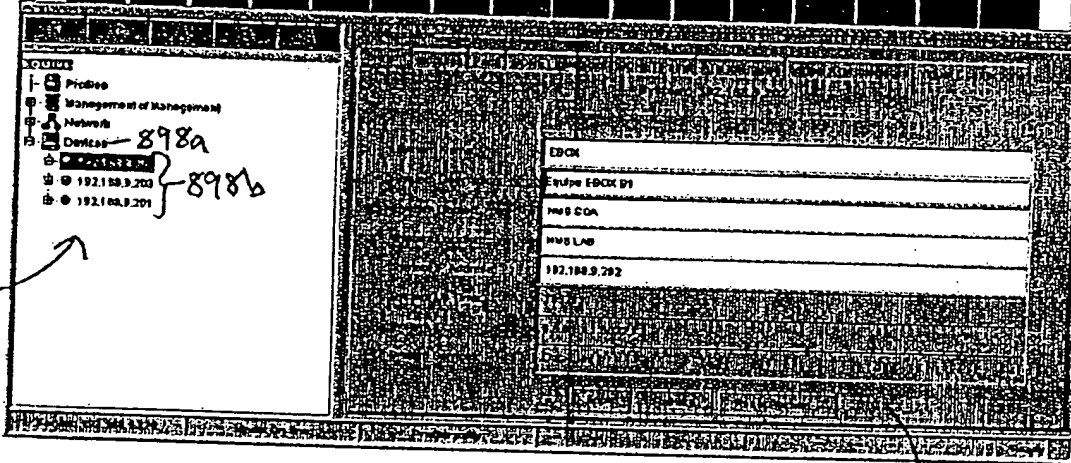
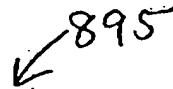
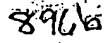


Fig. 4j

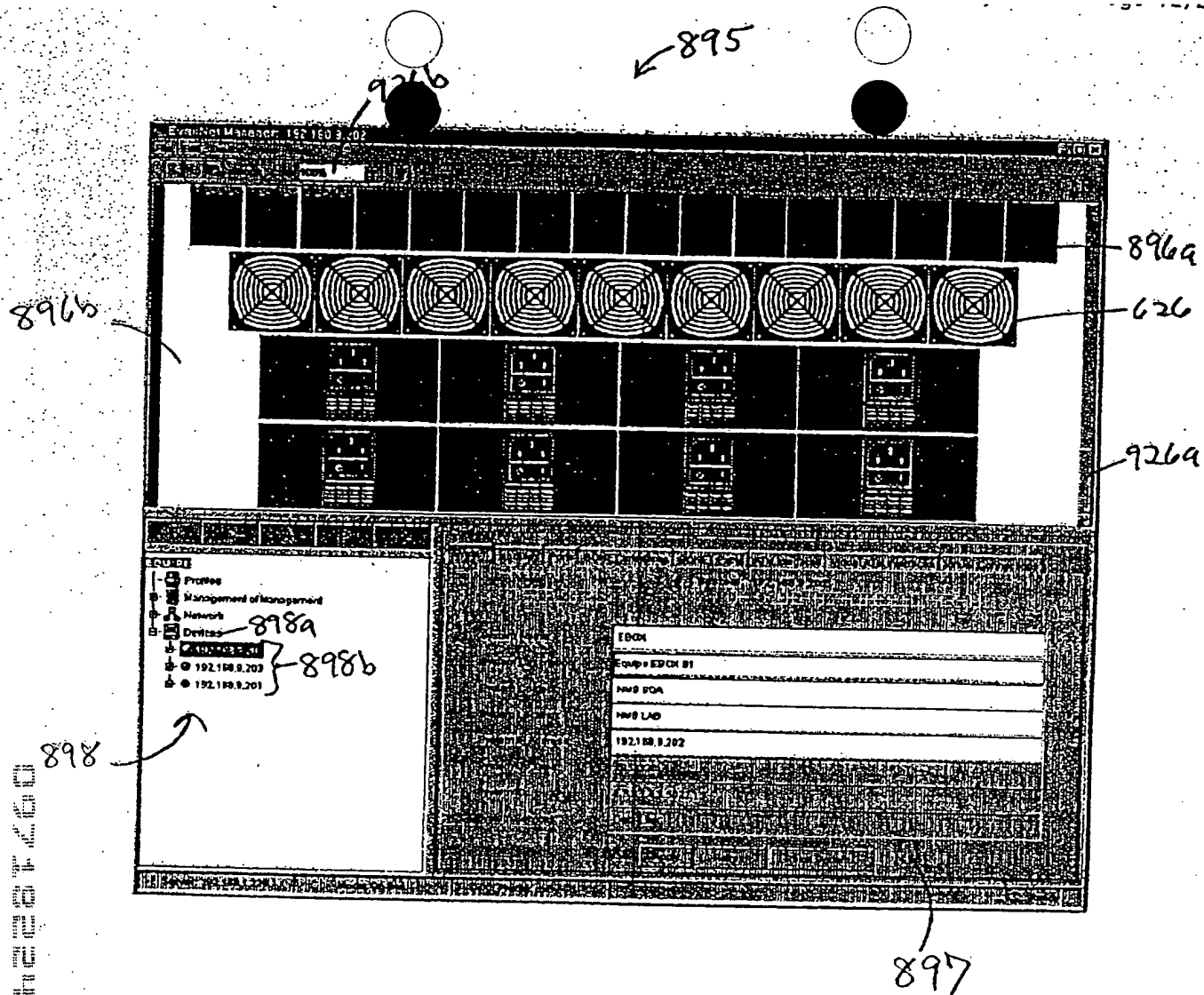


Fig. 4K

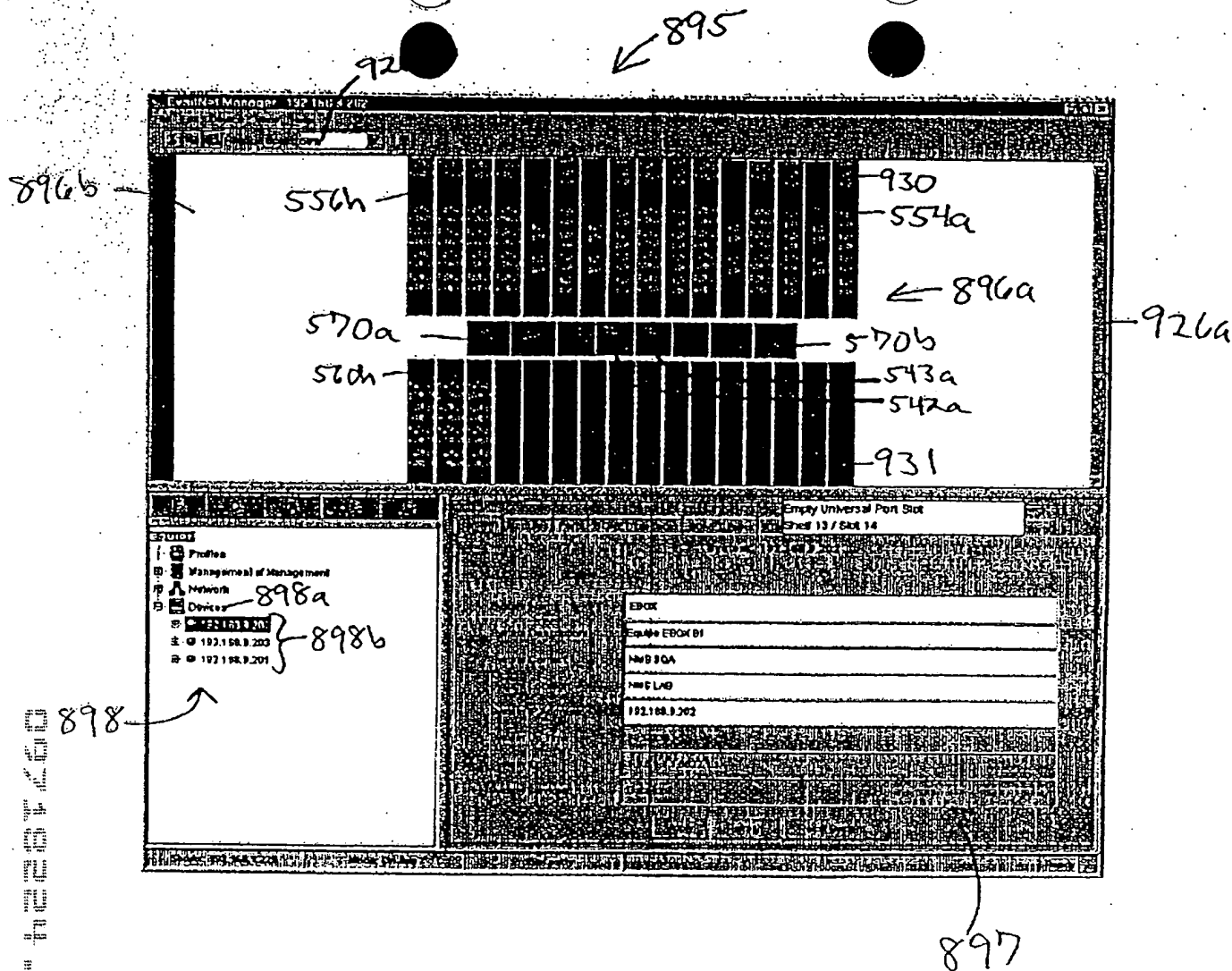


Fig. 4L

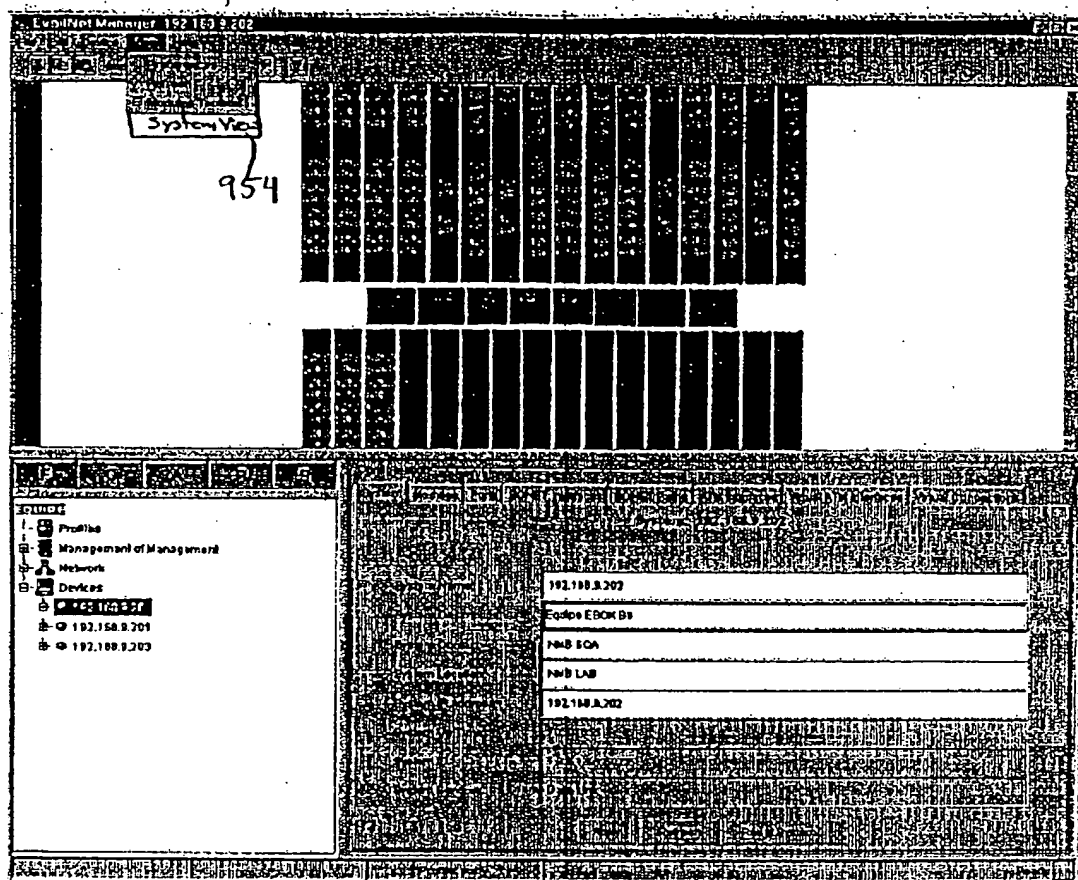
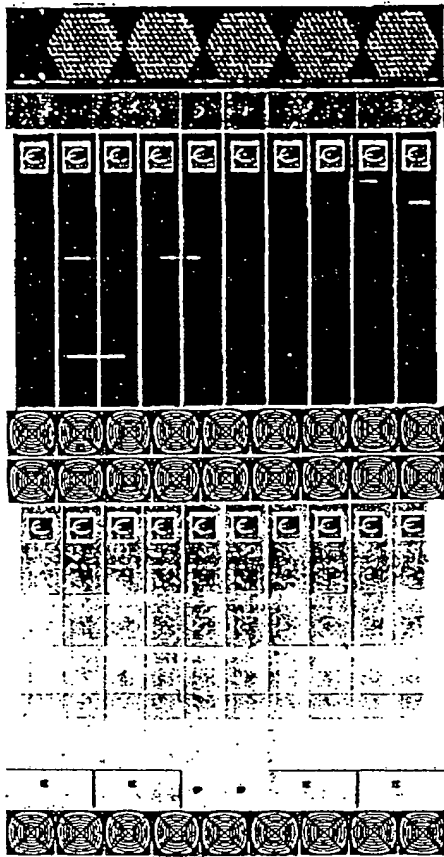


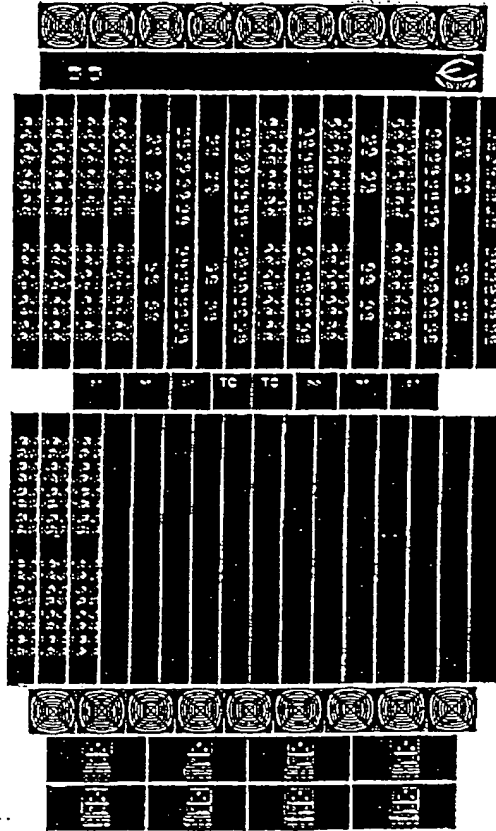
Fig. 4m

1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403</
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955



955a



955b

Fig. 4n

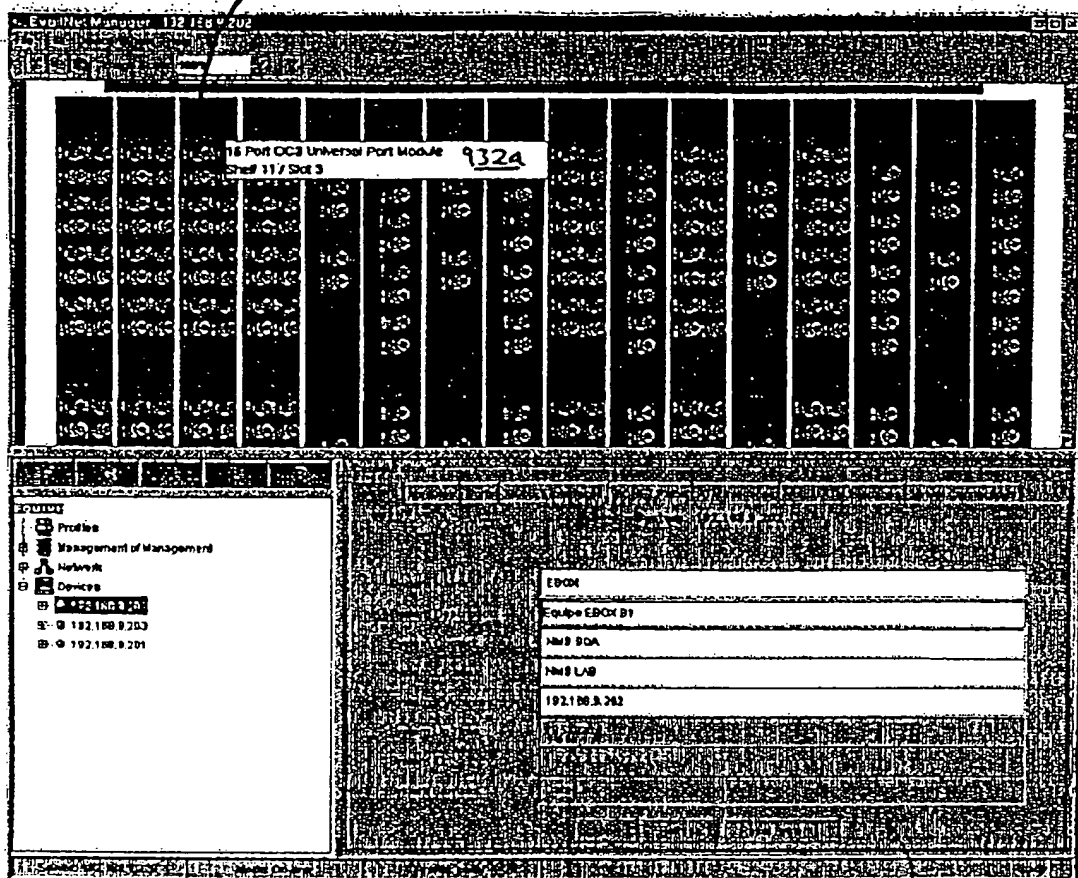
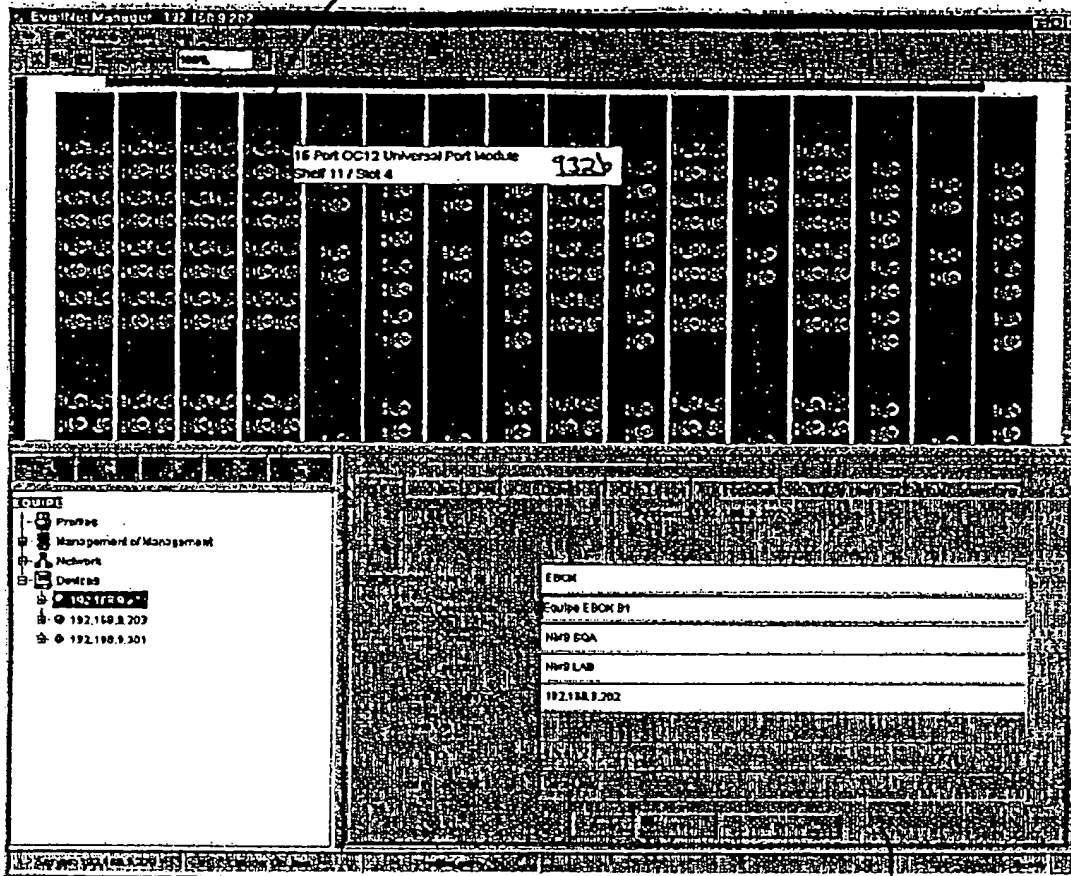


Fig.40

556e

-895



897

Fig. 4P

[illegible]

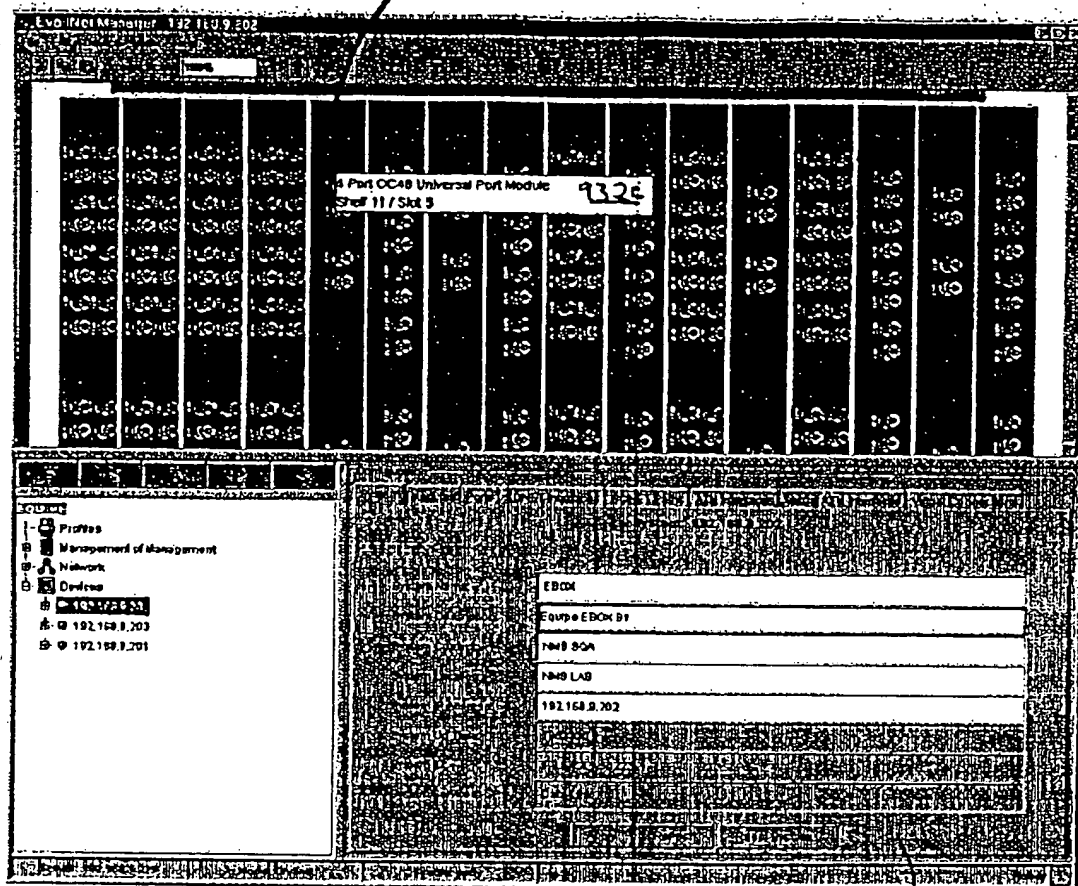
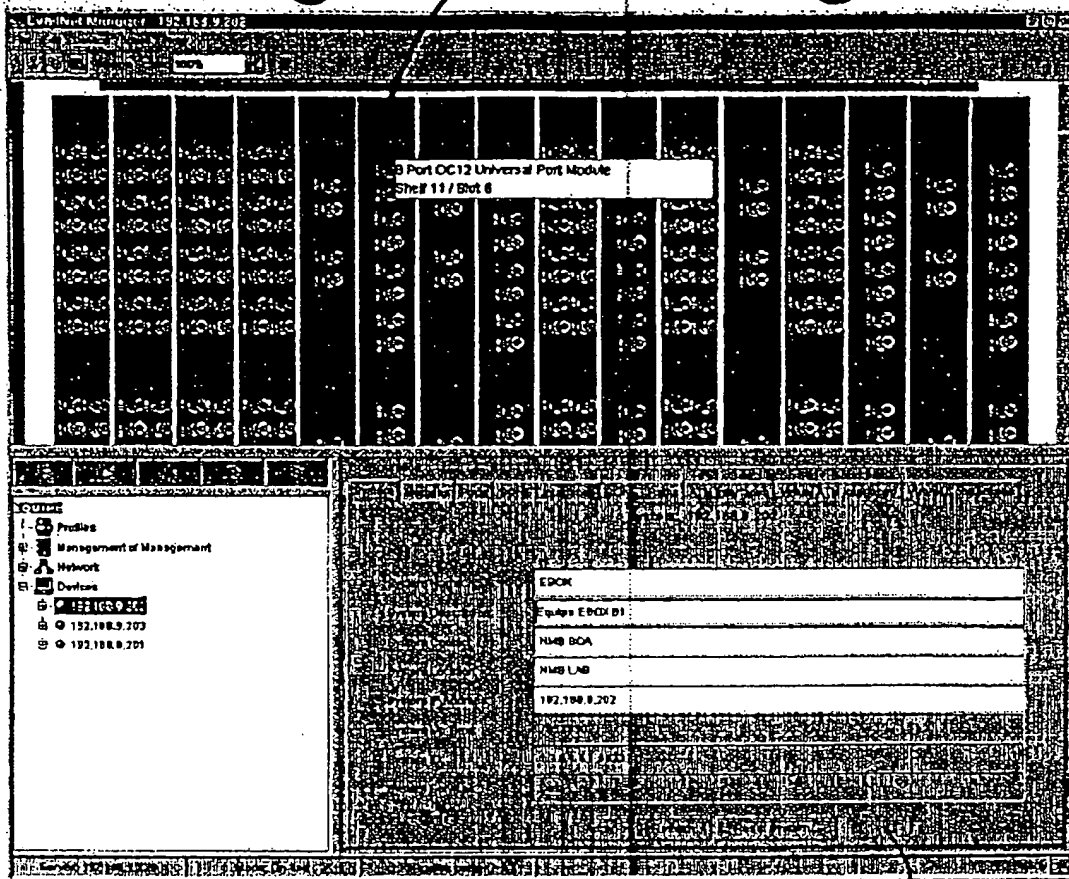


Fig. 4g

556c

895

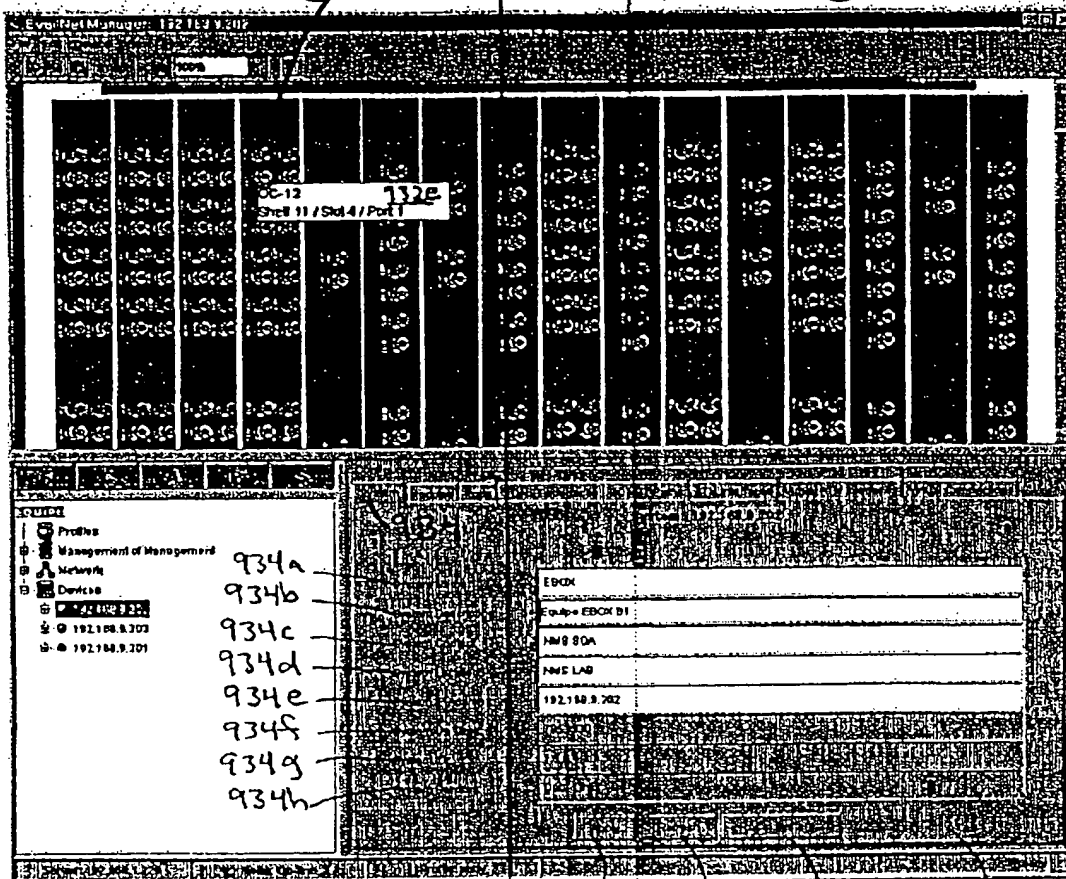


897

Fig. 4r

933

895



935a

935c

935b

897

Fig. 4s

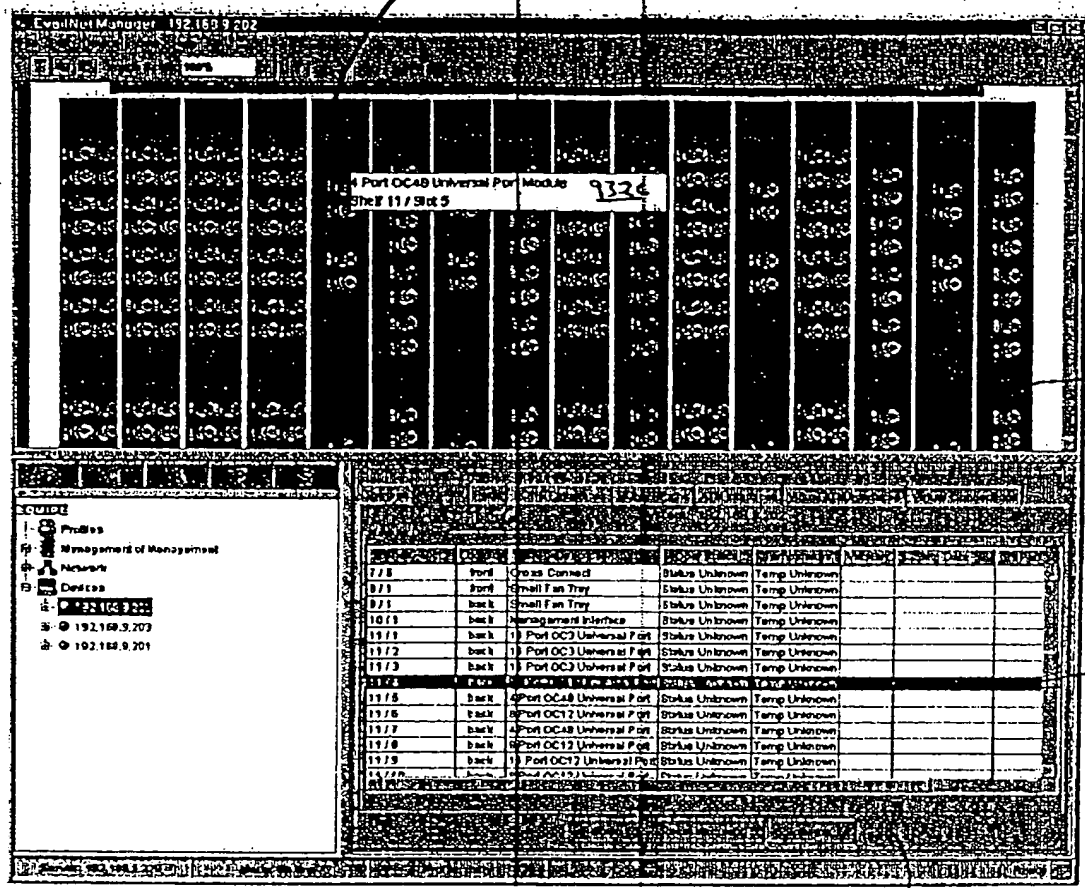
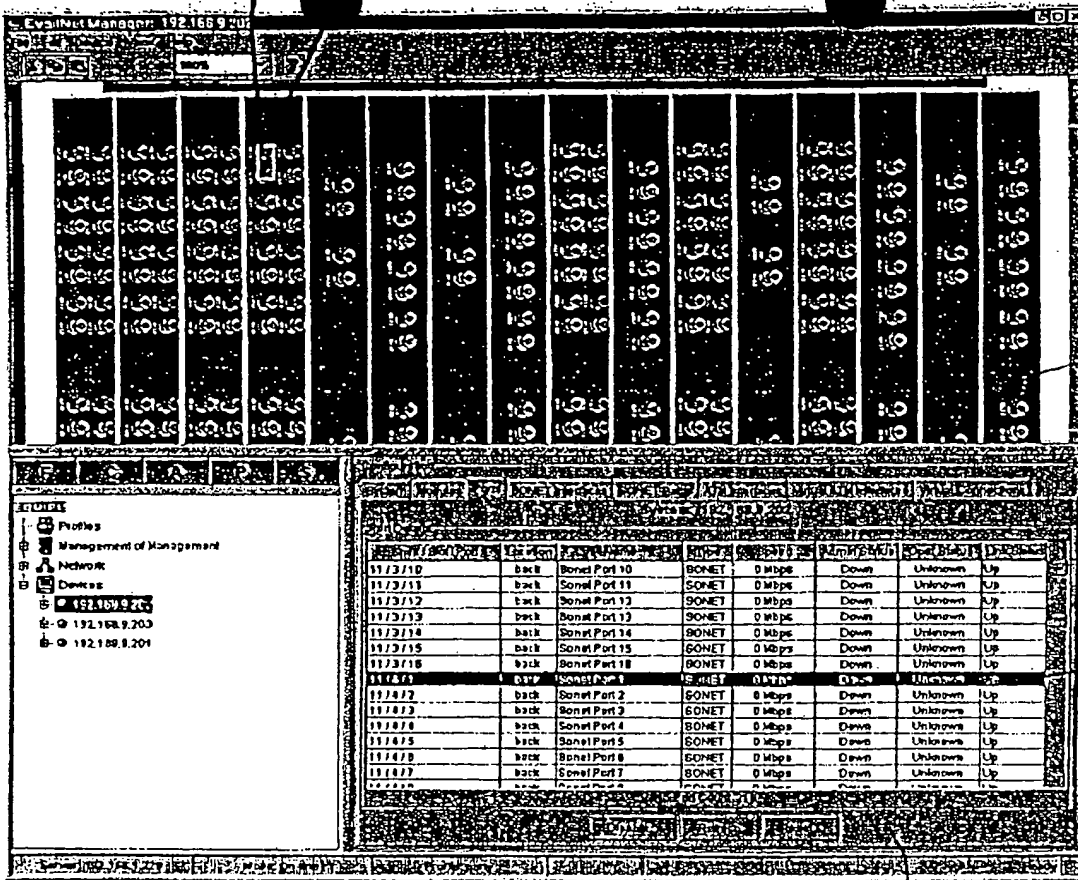


Fig. 44

839 556e

895



896a

9396

897

Fig. 4u

004004-400400

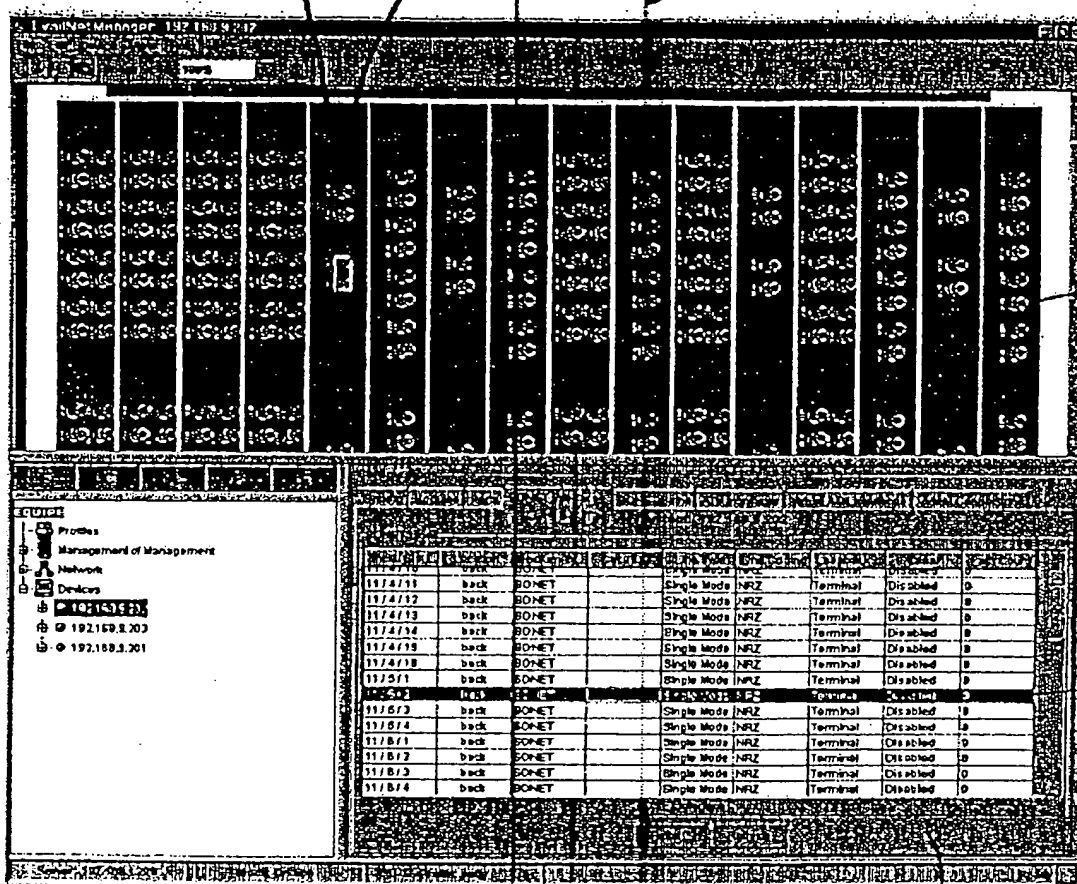
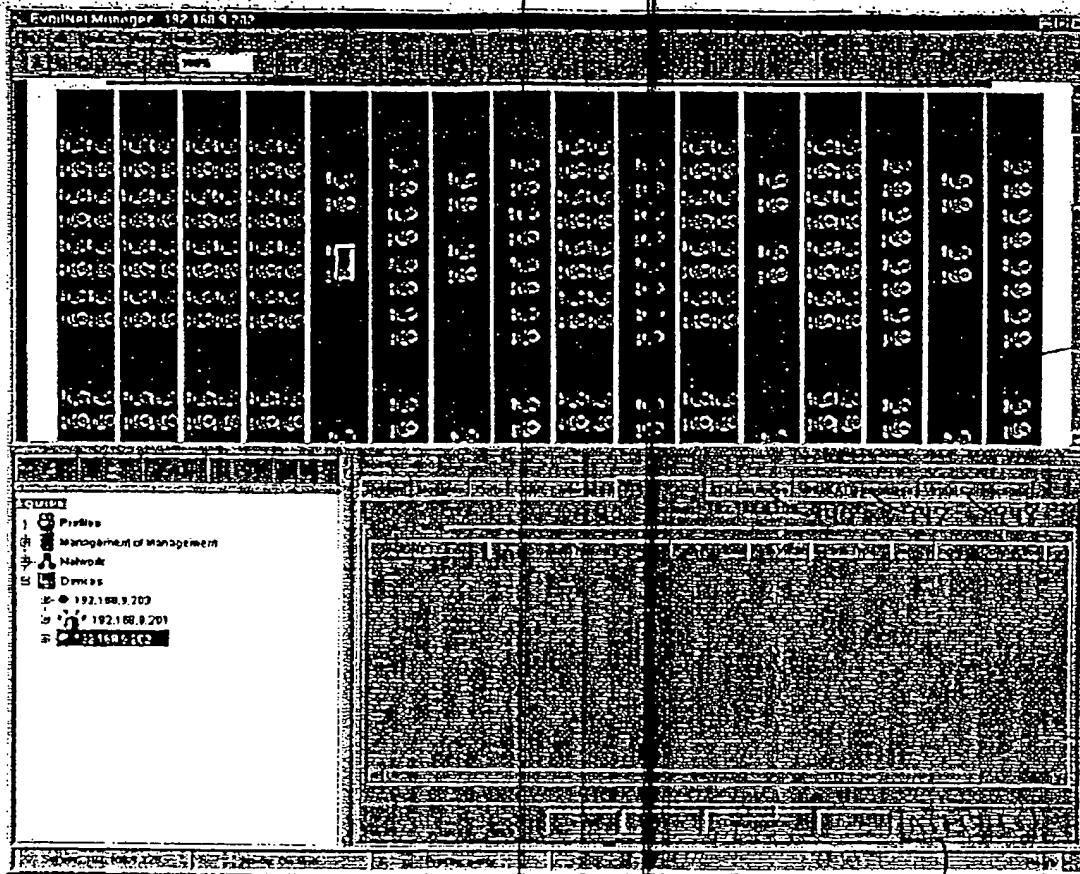


Fig. 4v

895



896a

897

942c

Fig. 4w

0974394 4300

895

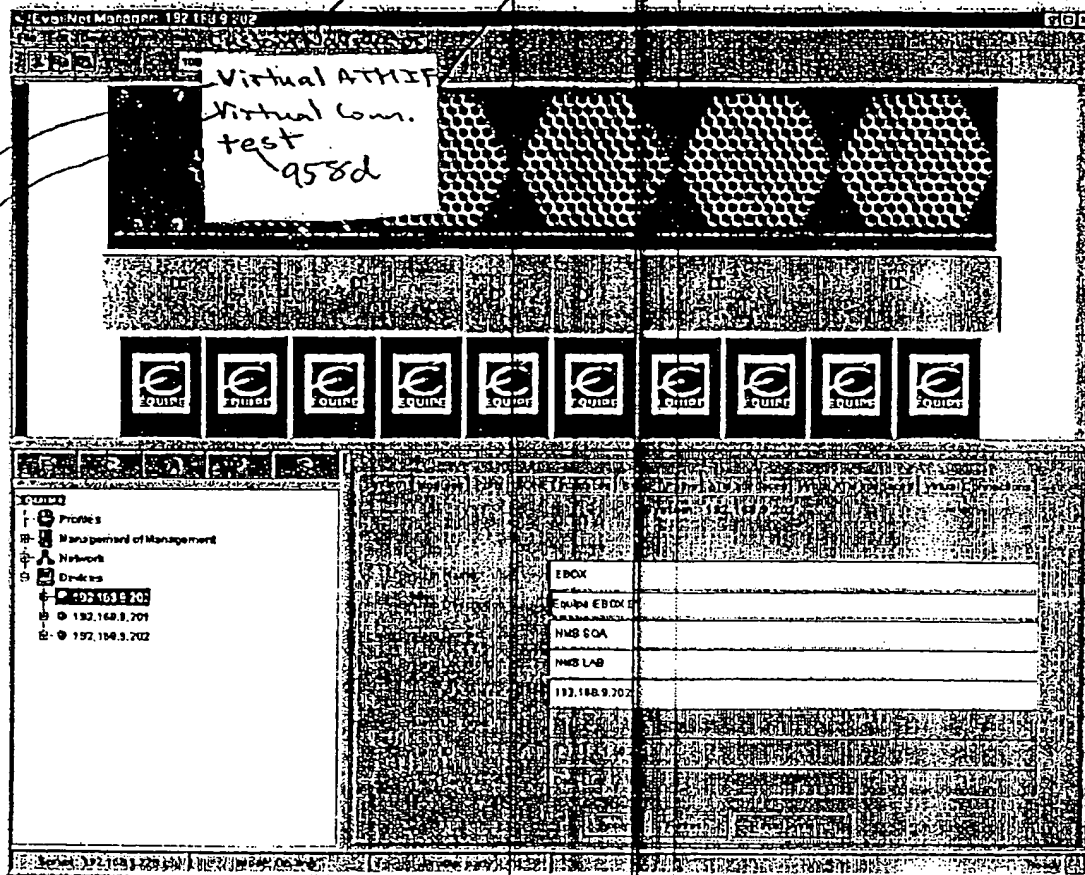


Fig. 4x

[illegible]

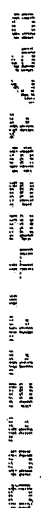


Fig. 4y



Fig. 42

1. The first group of authors (e.g., [1, 2]) considers the problem of finding the optimal control of a system with a fixed structure. The optimal control is found by solving a boundary value problem for the system of equations of motion. The optimal control is found by solving a boundary value problem for the system of equations of motion.

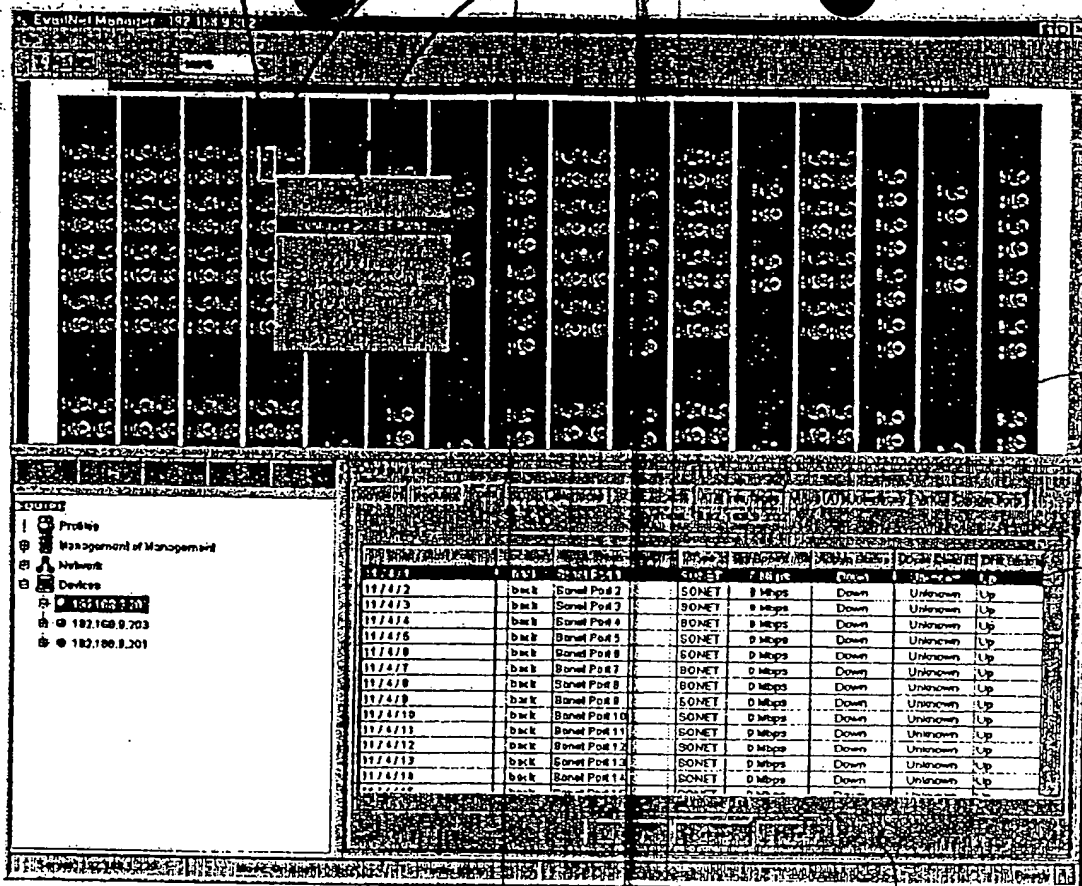


Fig. 5

944

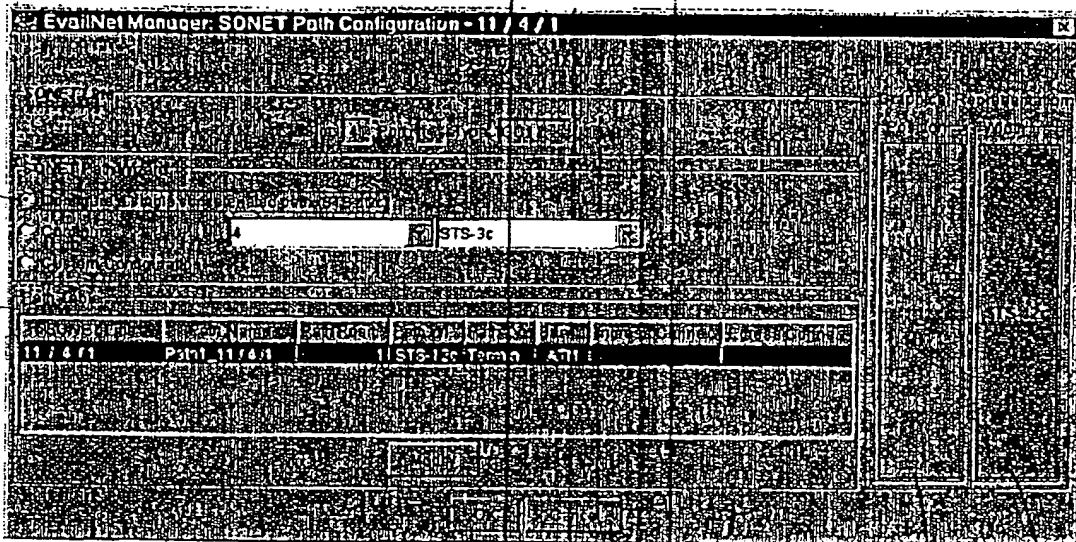
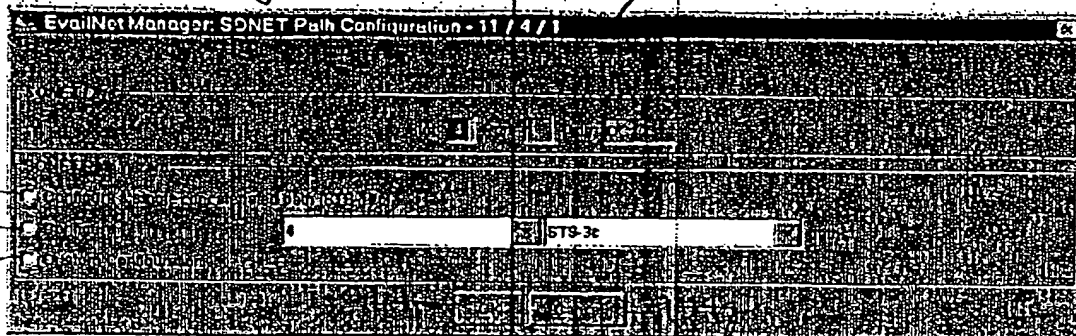


Fig. 5c

Fig. 5d

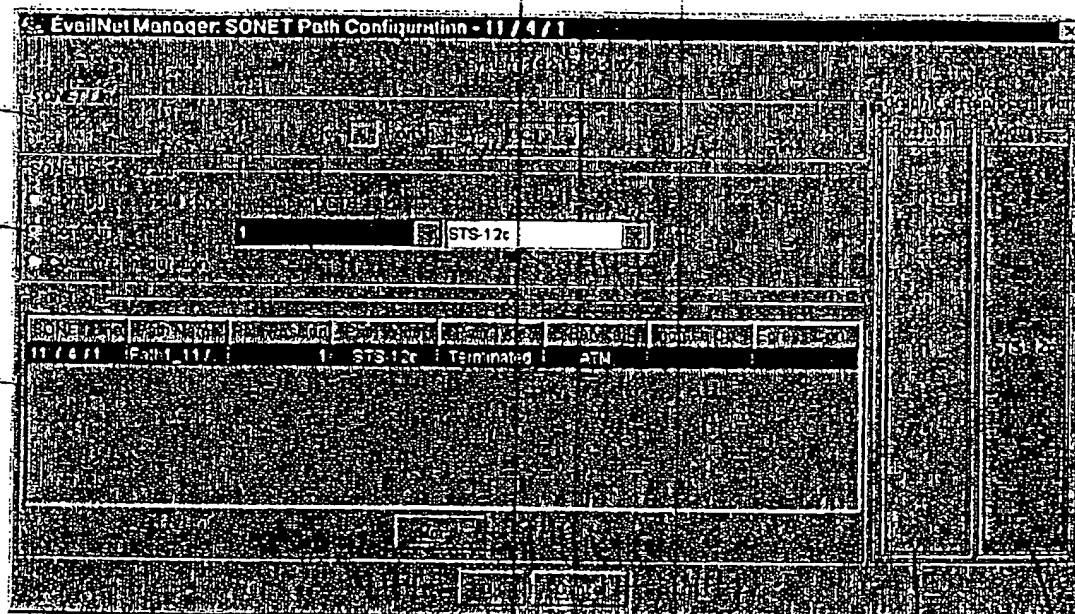
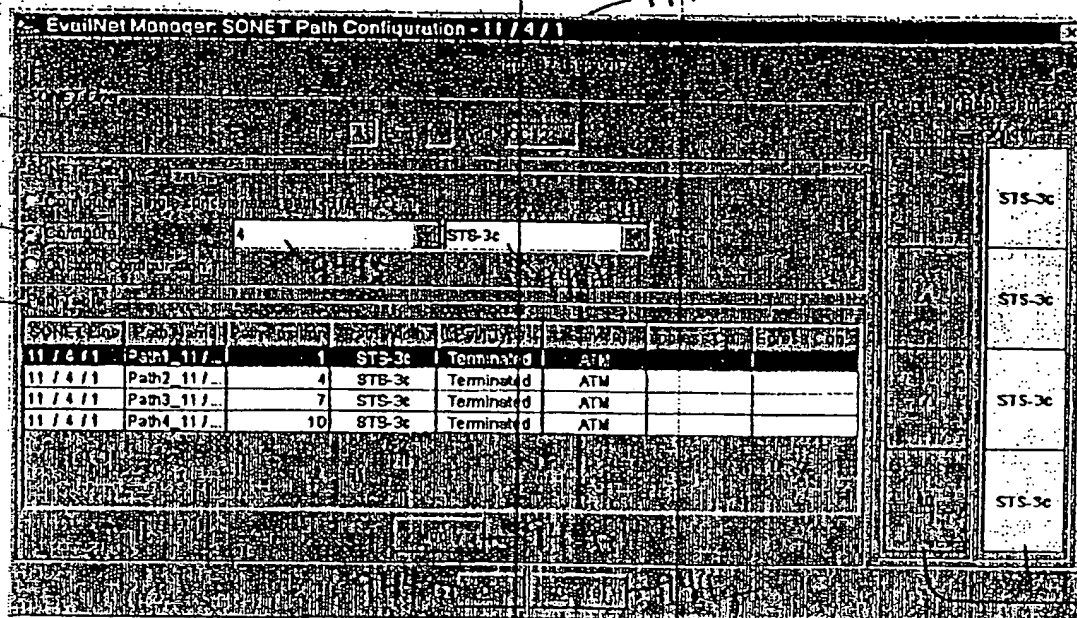


Fig. 5e

Fig. 58

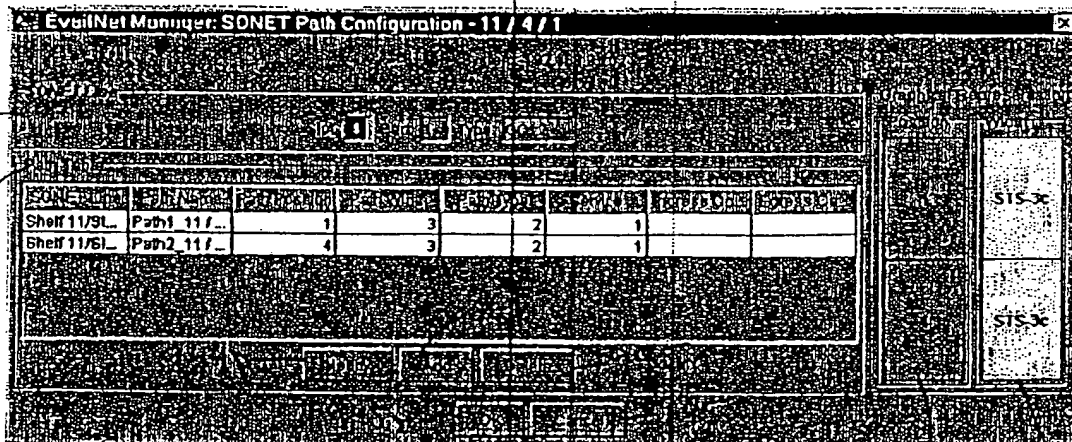
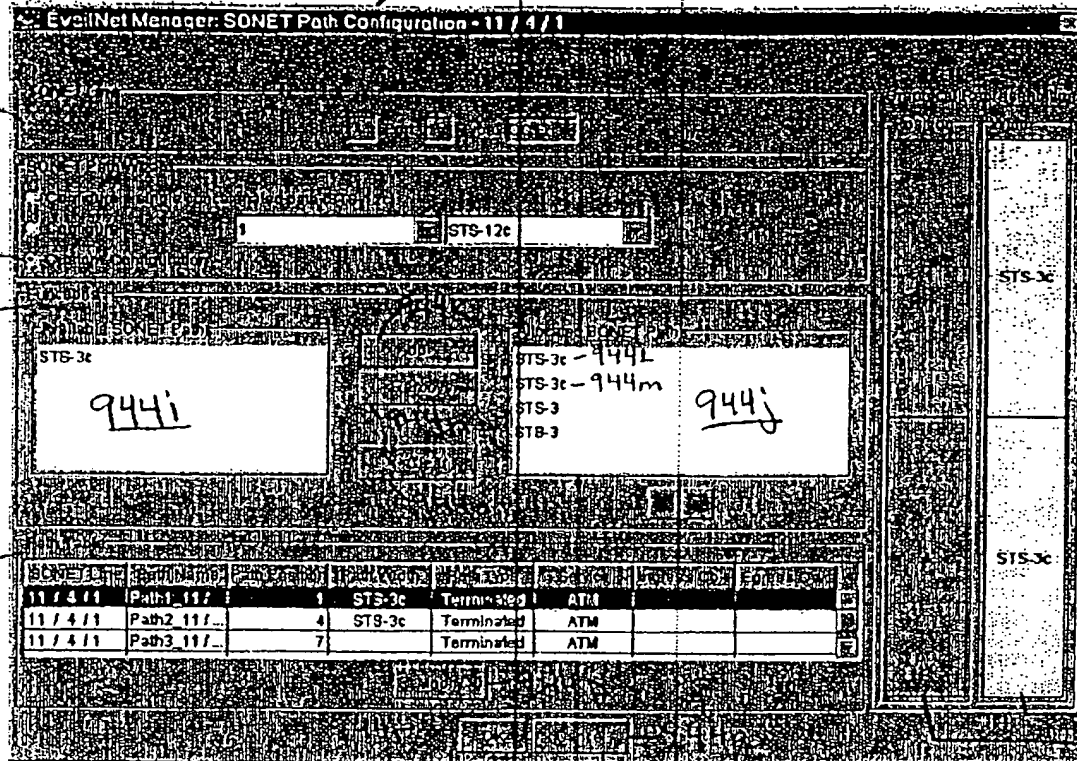


Fig. 59

895

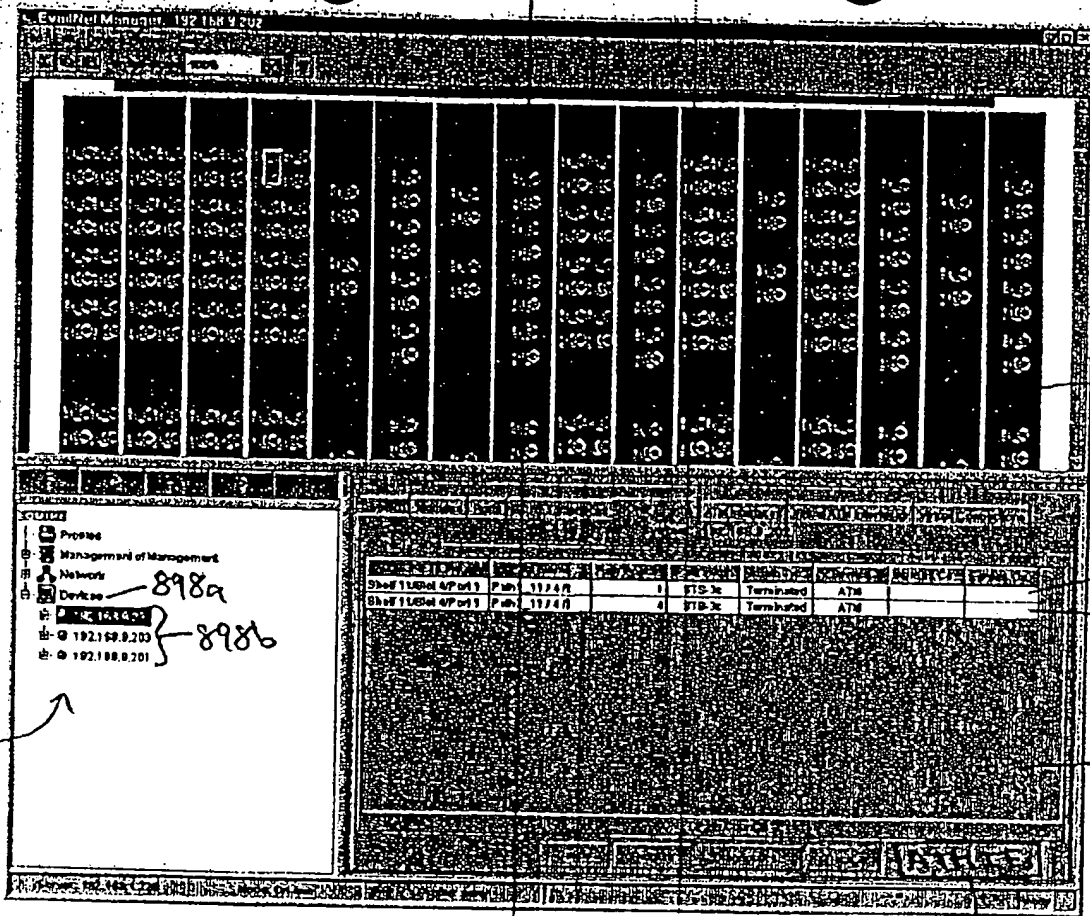


Fig. 5h

895

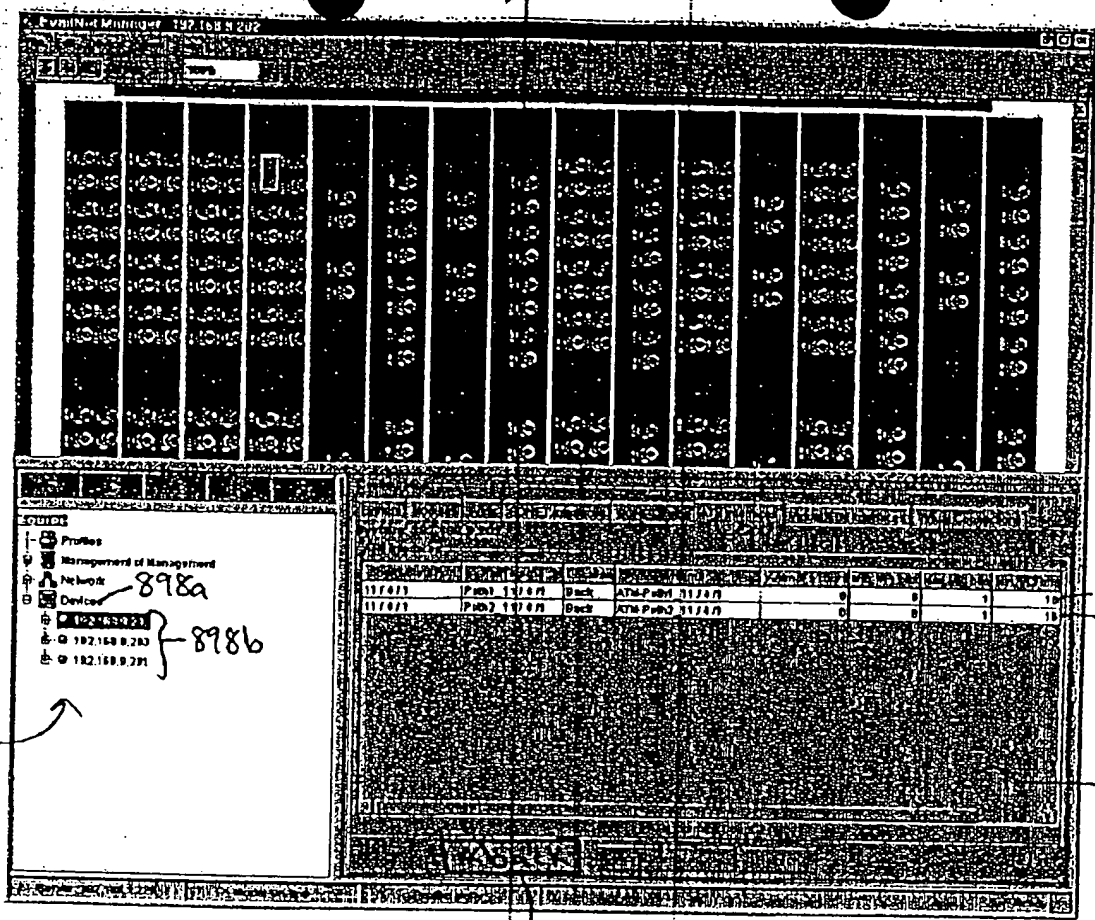


Fig. 5i

Fig. 5j

EvailNet Manager: 192.168.9.202

6d 941a

898

898a

898b

896a

949a

940a

ID	NAME	TYPE	MODE	STATUS	TERMINAL	DISABLED	VALUE
1124218	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
1124215	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
1124216	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
1124217	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112522	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112523	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112524	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112525	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112526	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112527	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112528	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112529	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112530	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112531	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112532	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112533	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112534	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112535	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112536	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112537	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112538	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112539	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
112540	back	SONET	Single Mode NRZ	Terminal	Disabled	0	

Fig. 5K

EvailNet Manager: SONET Path Configuration - 11 / 5 / 2

944b

944c

944d

944a

944

STB-12c

Fig. 5l

944

944a

944b

944c

944d

944g



944f

944e

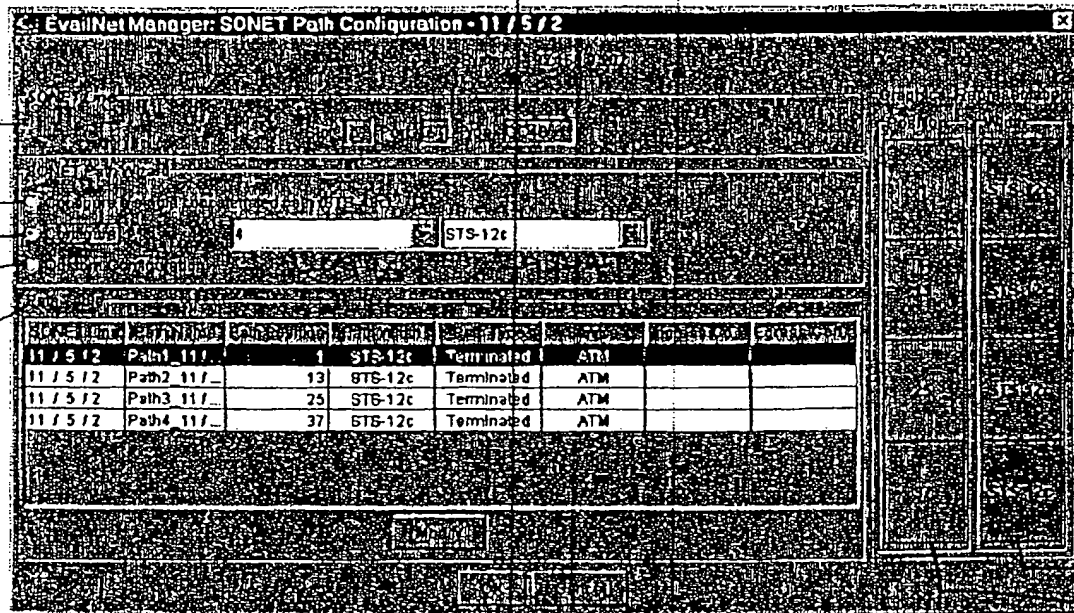
944a

944b

944c

944d

944g



944f

944e

944

Fig. 5m

Fig. 5n

944

944a
944b
944c
944d
944g

EvailNet Manager: SONET Path Configuration - 11/5/2

STB-48c

18 9445

Path	Path ID	Path Name	Path Type	Path Status	Path Action
11/5/2	Path1 11/5/2	1	STB-48c	Termini	ATM

944f
944e

944a
944b
944c
944d
944g

EvailNet Manager: SONET Path Configuration - 11/5/2

16 STB-3c

Path	Path ID	Path Name	Path Type	Path Status	Path Action
11/5/2	Path1 11/5/2	1	STB-3c	Termini	ATM
11/5/2	Path2 11/5/2	4	STB-3c	Termini	ATM
11/5/2	Path3 11/5/2	7	STB-3c	Termini	ATM
11/5/2	Path4 11/5/2	10	STB-3c	Termini	ATM
11/5/2	Path5 11/5/2	13	STB-3c	Termini	ATM
11/5/2	Path6 11/5/2	16	STB-3c	Termini	ATM
11/5/2	Path7 11/5/2	19	STB-3c	Termini	ATM

944f
944e

944

Fig. 5o

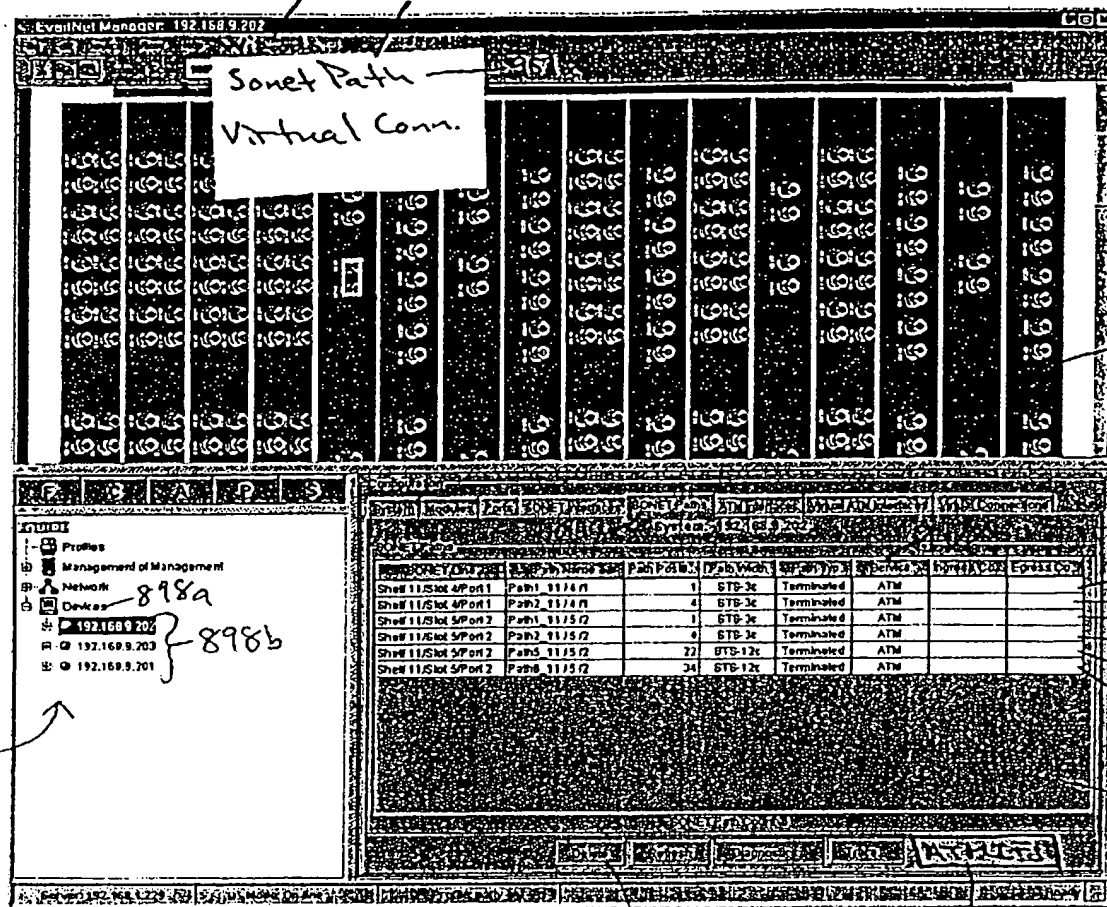


Fig. 5g

✓ 895

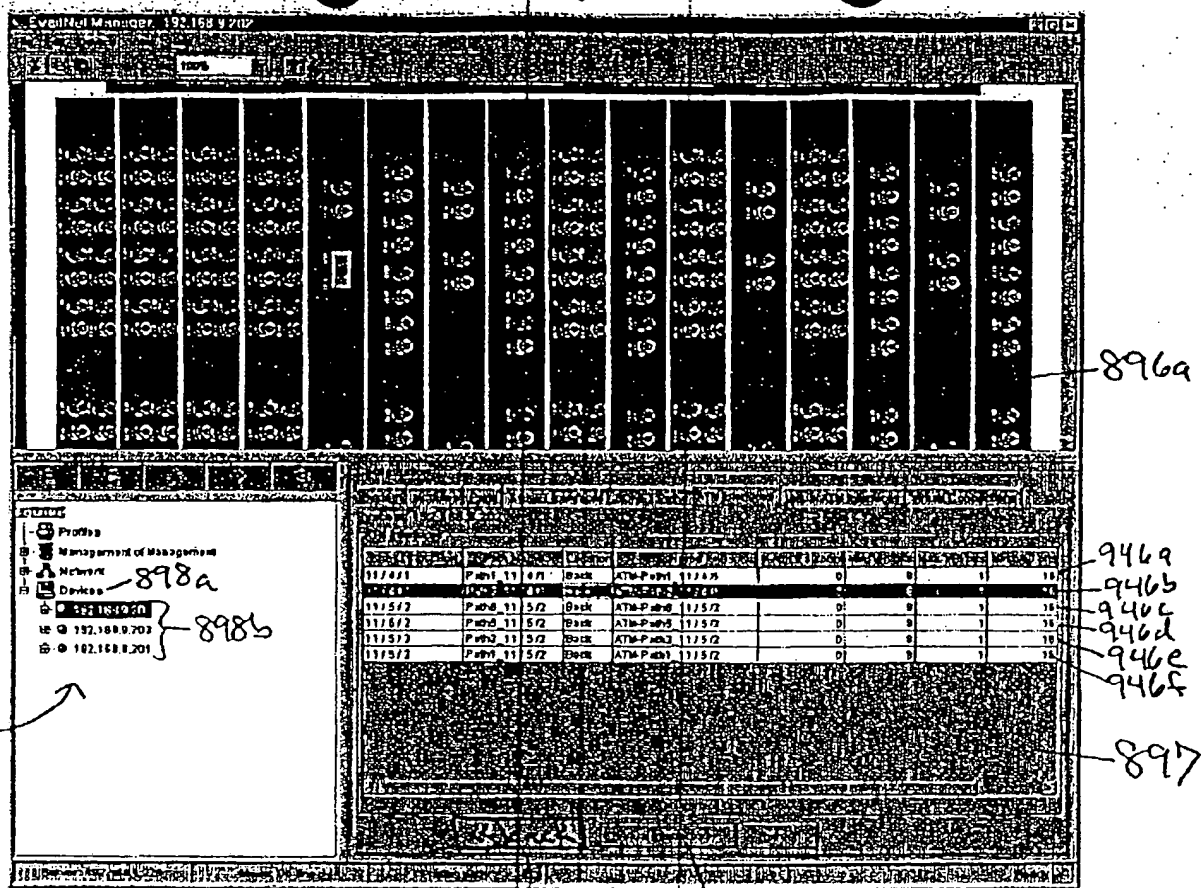
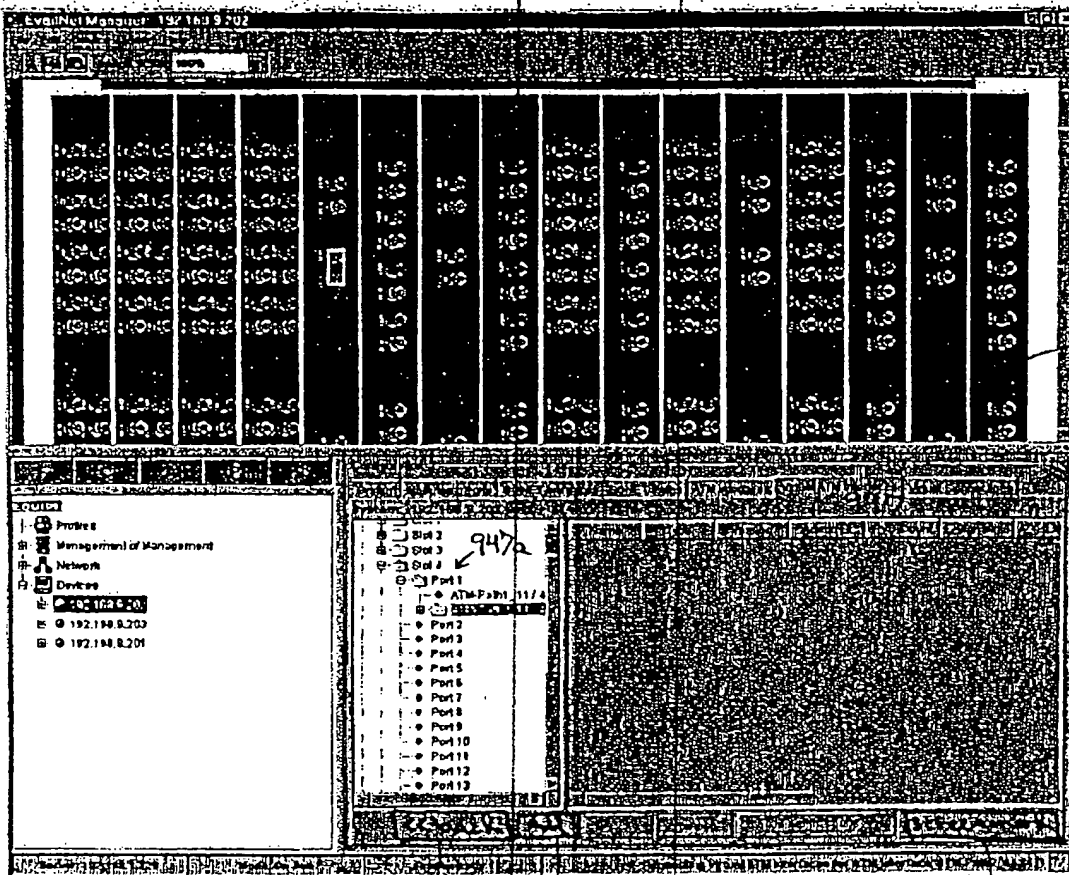


Fig. 57

895



-896a

9472

9476

959

Fig. 5s

[illegible]

Fig. 5

950

Add V-ATM Interface - 192.168.9.202

System: 192.168.9.202

Virtual ATM Interface: 1

Name (VPI):	test1	
Conn. Link:	Direct Link	
VPI:	UNI Network 3.1	
UNI Net:	Up	

OK Cancel Help

The screenshot displays the EMailNet Manager software interface. The top window shows a list of 12 columns, each representing a different network device or interface, with various status indicators and numerical data. The bottom window shows a detailed view of a specific device, including a tree structure of components (e.g., Slot 1, Slot 2, Slot 3, Slot 4, Port 1, Port 2, etc.) and a table of network parameters (e.g., Host, Host Name, Unit Number, IP, etc.).

9476

Fig. 5u

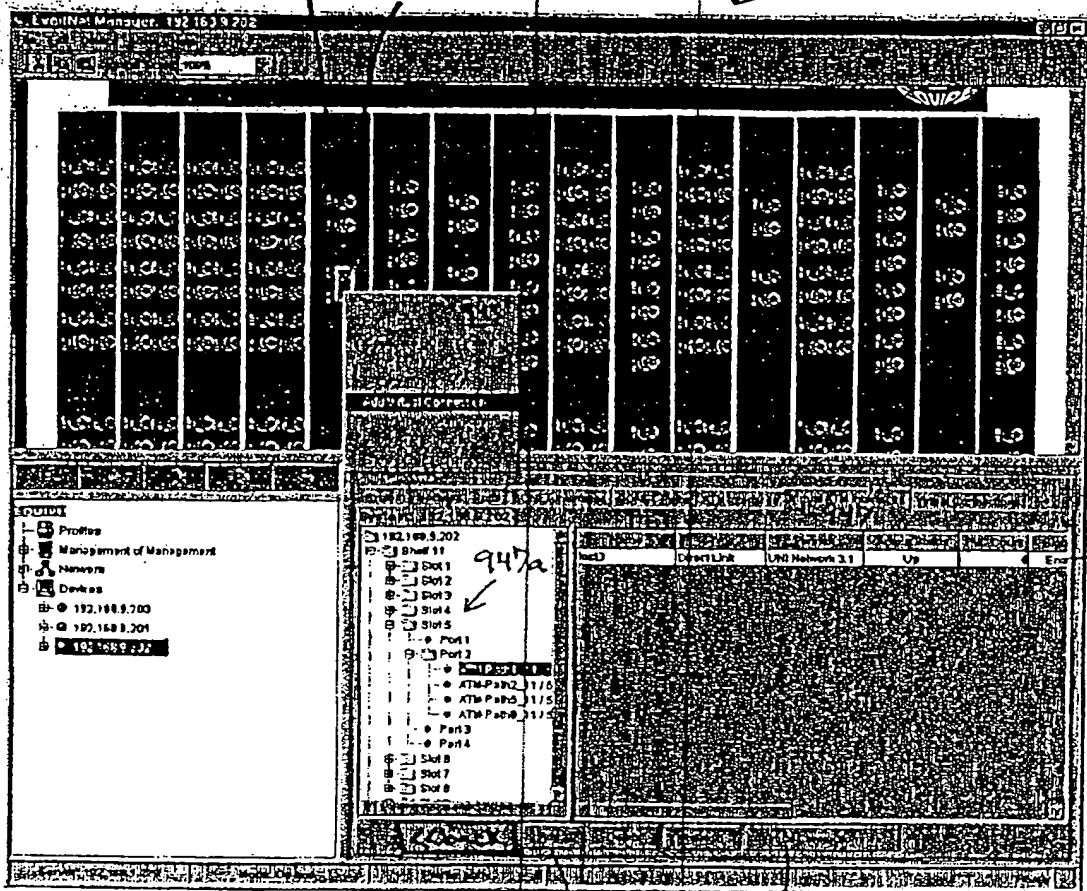


Fig. 5v

952

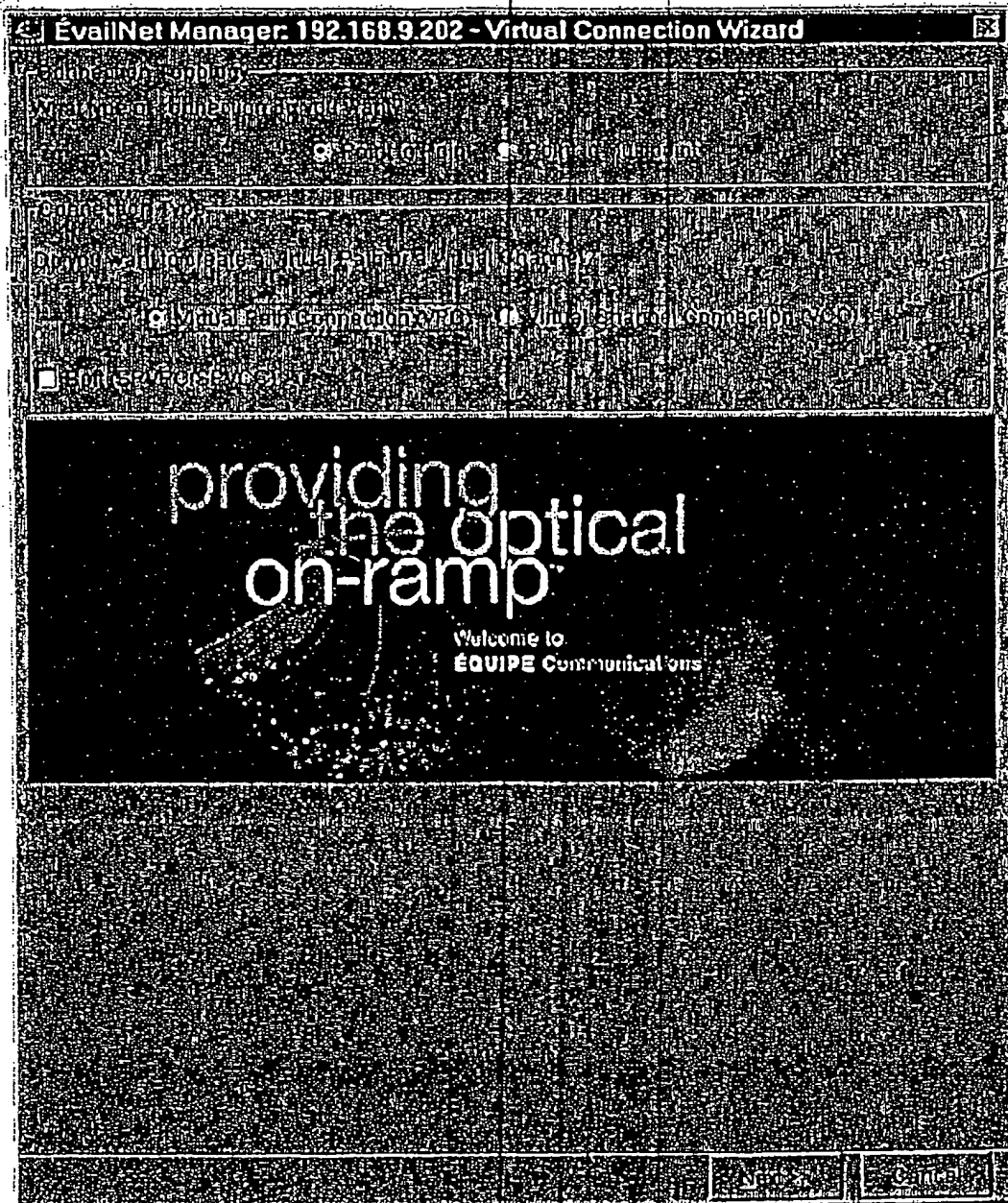


Fig. 5w

ÉvailNet Manager: 192.168.9.202 - Virtual Connection Wizard

Slot 4

- Port 1
 - ATM-Path1_11/4/1
 - ATM-Path2_11/4/1
 - test1
 - test2
 - Port 2
 - Port 3
 - Port 4

Slot 3

- Slot 4
- Slot 5
- Port 1
- Port 2
 - ATM-Path1_11/5/2
 - test3
 - ATM-Path2_11/5/2
 - ATM-Path5_11/5/2

Connection Name: test

Direction: Up

Customer Name: Walmart

Link Policy Parameters

Link	953i	<input checked="" type="checkbox"/> Use a VPI/VCI
VPI	953m	<input type="checkbox"/> Use any VCI value
Transmit Traffic Description	VBR-high	<input checked="" type="checkbox"/> Add Traffic Description
Receive Traffic Description	VBR-high	<input checked="" type="checkbox"/>

☐ Use the same Traffic Description for your Transmit and Receive

Link Policy Parameters

Link	953j	<input checked="" type="checkbox"/> Use a VPI/VCI
VPI	953n	<input type="checkbox"/> Use any VCI value
Transmit Traffic Description	VBR-high	<input checked="" type="checkbox"/> Add Traffic Description
Receive Traffic Description	VBR-high	<input checked="" type="checkbox"/>

☐ Use the same Traffic Description for your Transmit and Receive

OK Cancel

Fig. 5x

956

New Traffic Descriptor

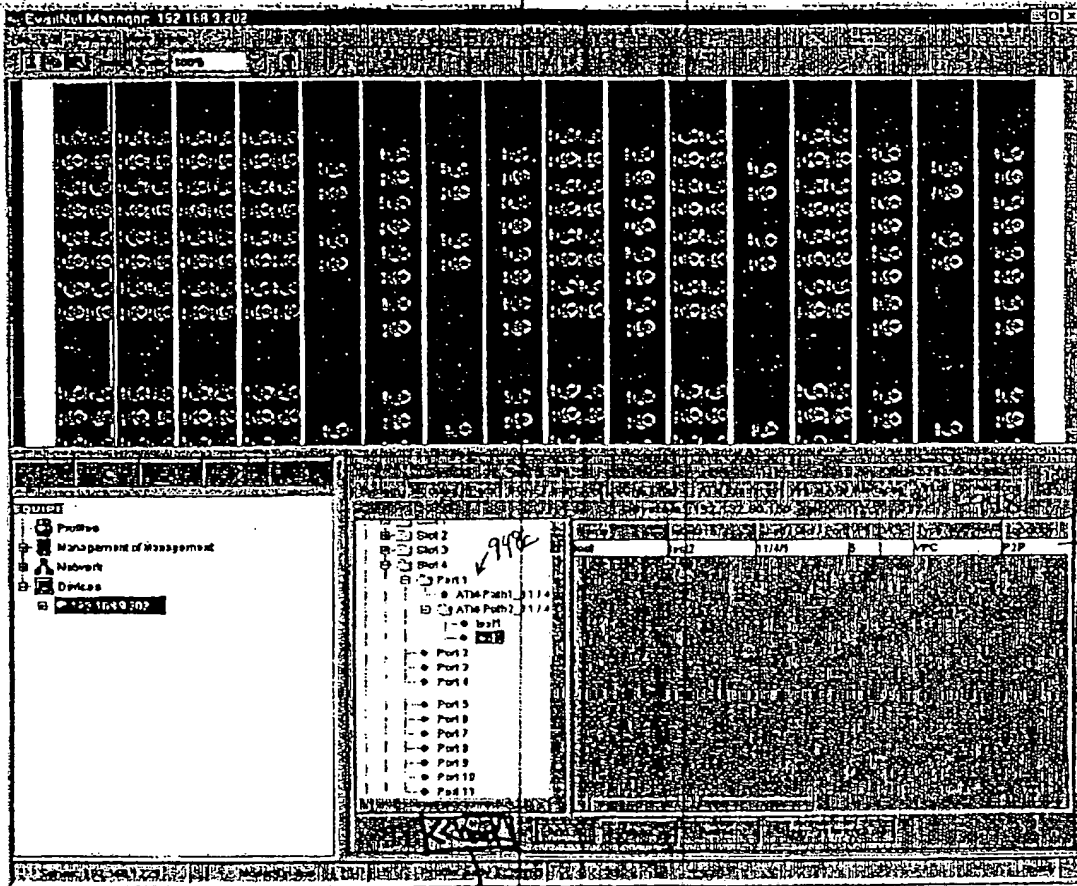
Name:

QoS Class: ▼

Type: ▼

Fig. 5Y

895



948b

Fig. 52

895

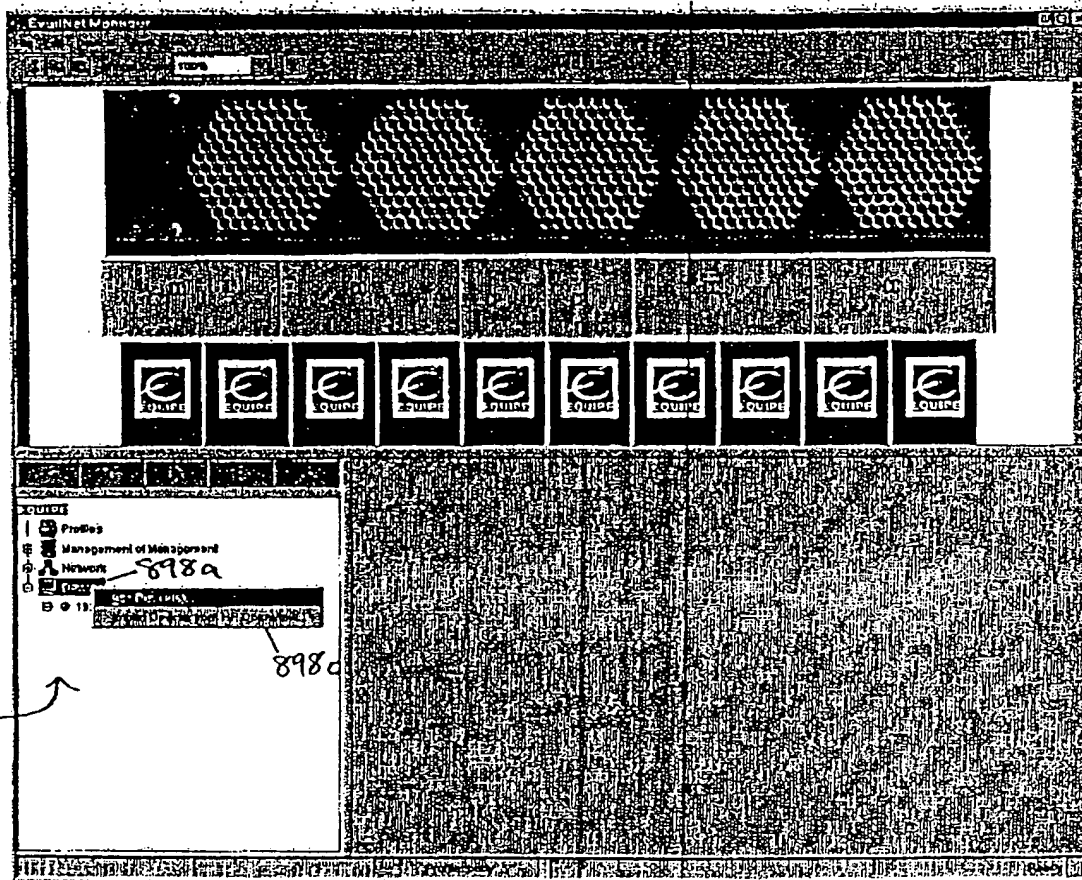


Fig. 6a

Fig. 6

Fig. 6 is a screenshot of a software dialog box titled "AddDeleteDeviceDlg". The dialog box contains a text input field with the IP address "192.168.9.201". Below this field is a checkbox labeled "Managed Device". At the bottom of the dialog is a large, empty rectangular text area. The dialog box has standard Windows window controls (minimize, maximize, close) and buttons for "OK" and "Cancel" at the bottom.

898e

898d

898g

Fig. 6c

Fig. 6c is a screenshot of a software dialog box titled "AddDeleteDeviceDlg". The dialog box contains a text input field with the IP address "192.168.9.201". Below this field is a checkbox labeled "Managed Device". At the bottom of the dialog is a large, empty rectangular text area. The dialog box has standard Windows window controls (minimize, maximize, close) and buttons for "OK" and "Cancel" at the bottom.

898d

898g

898m

895

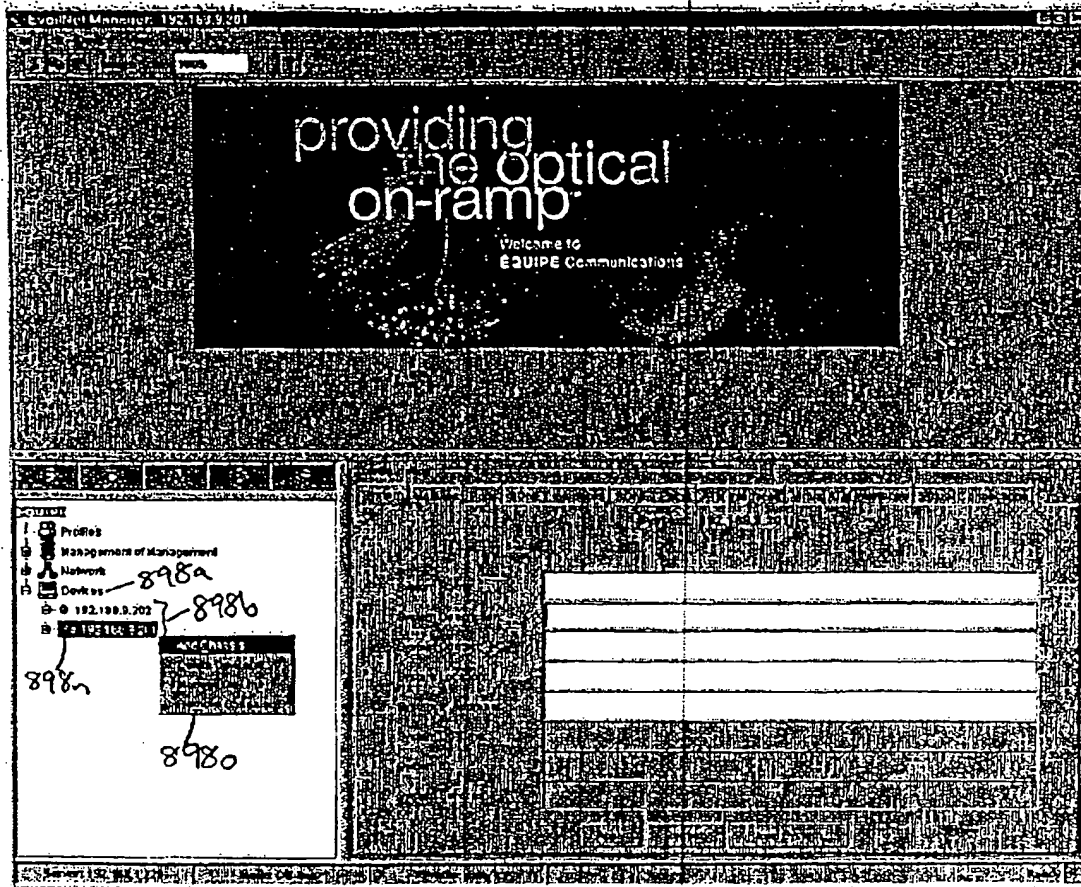


Fig. 6d

895

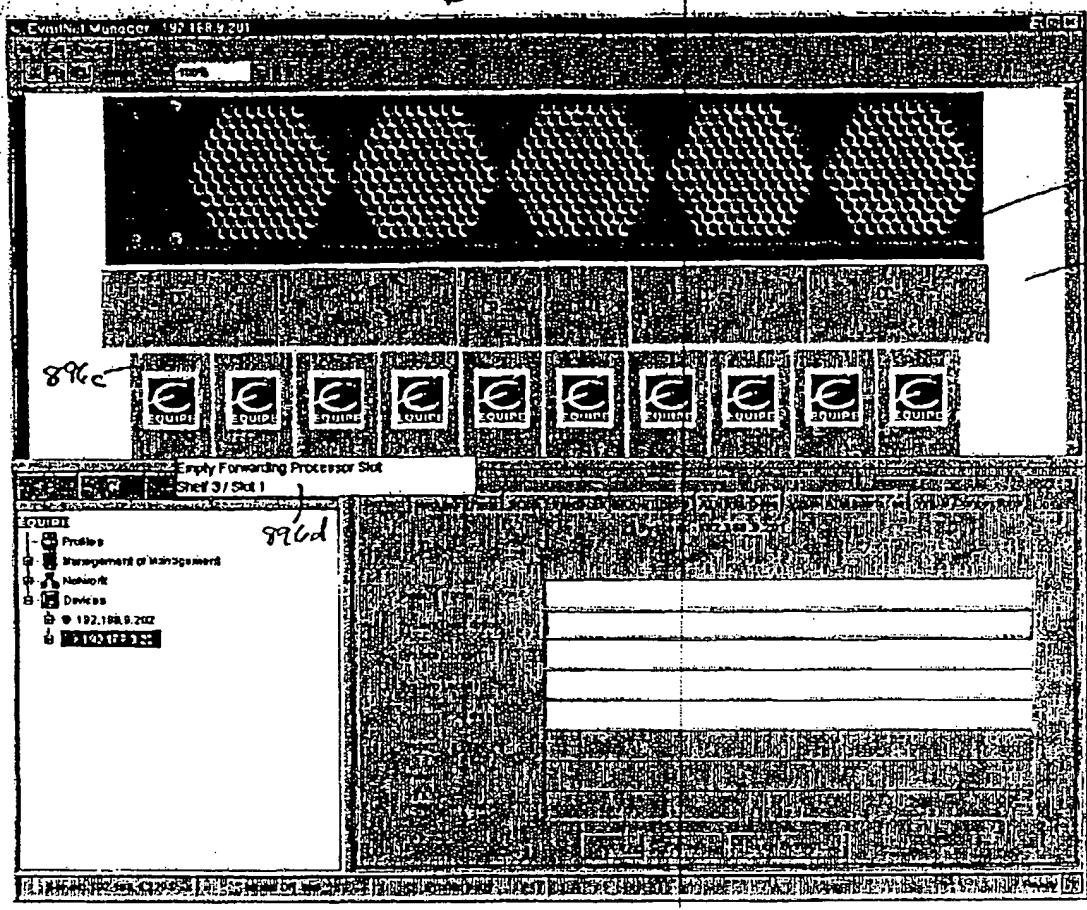


Fig. 6e

00149234 44300

895

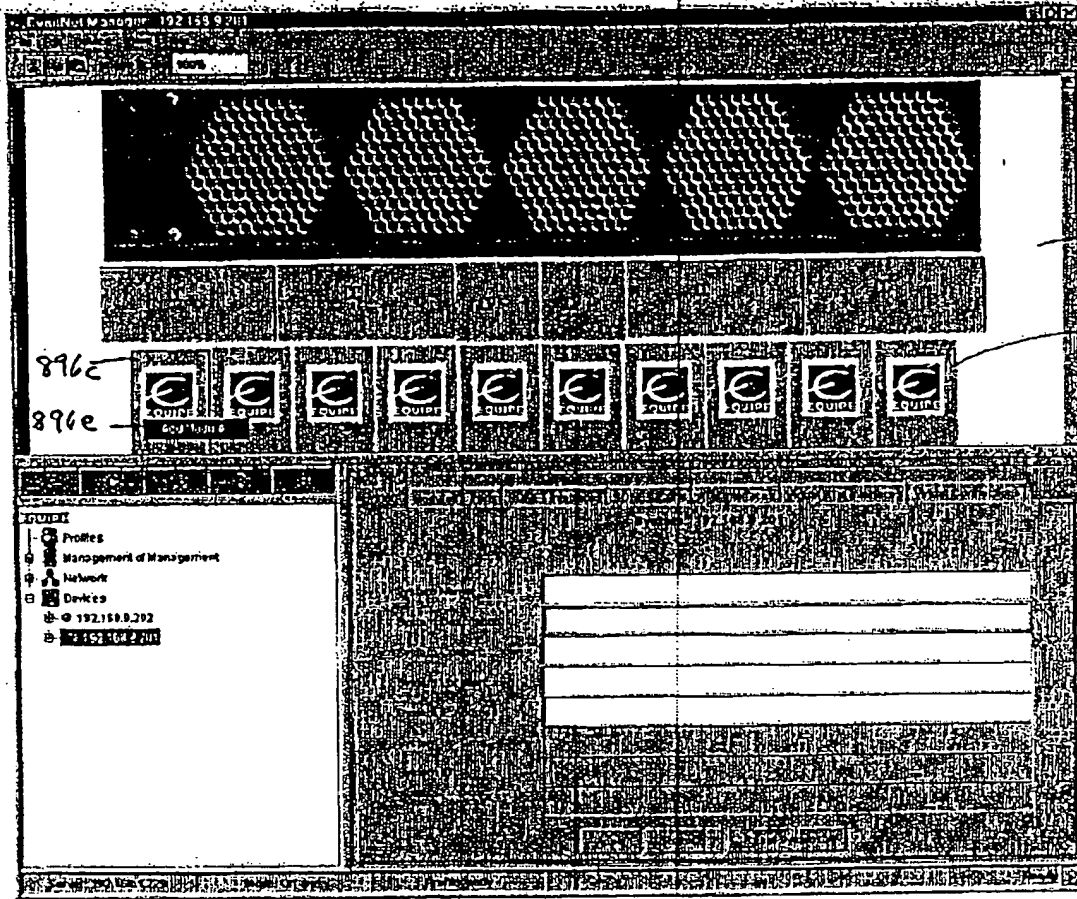


Fig. 6f

00718334 443400

895

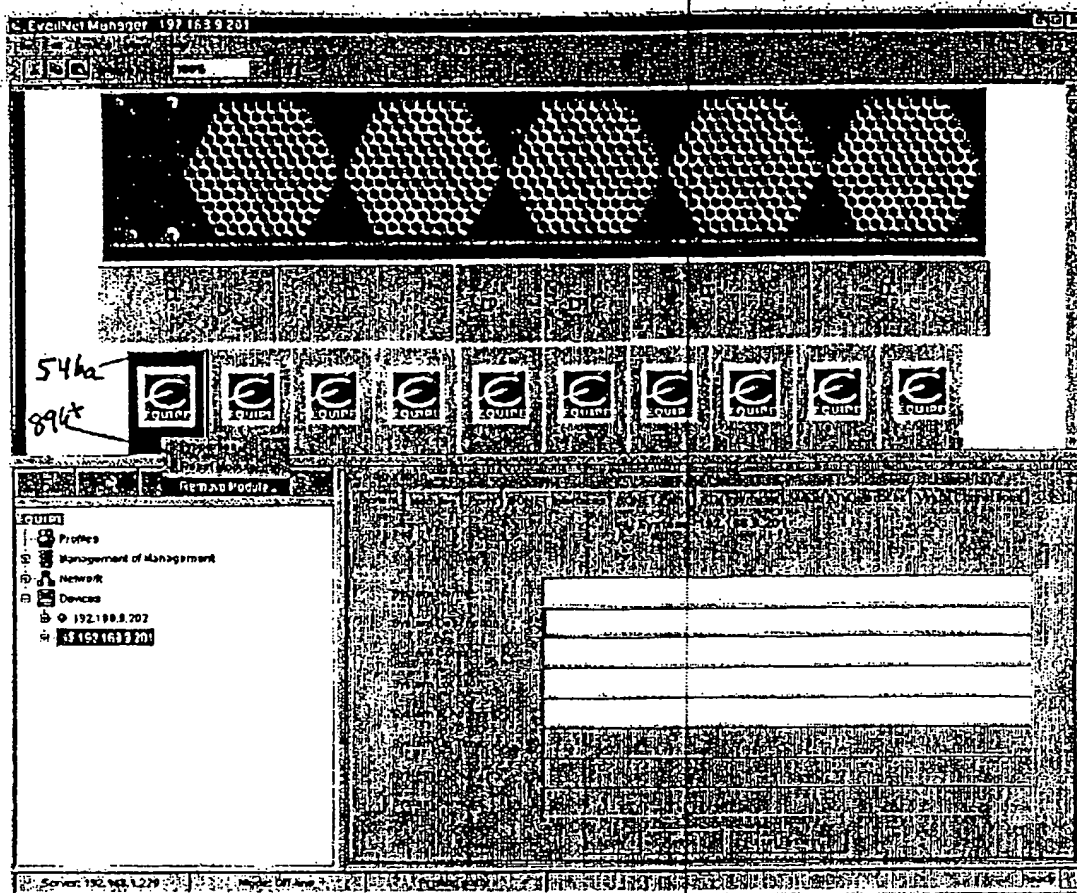


Fig. 69

00748204 43400

895

896f

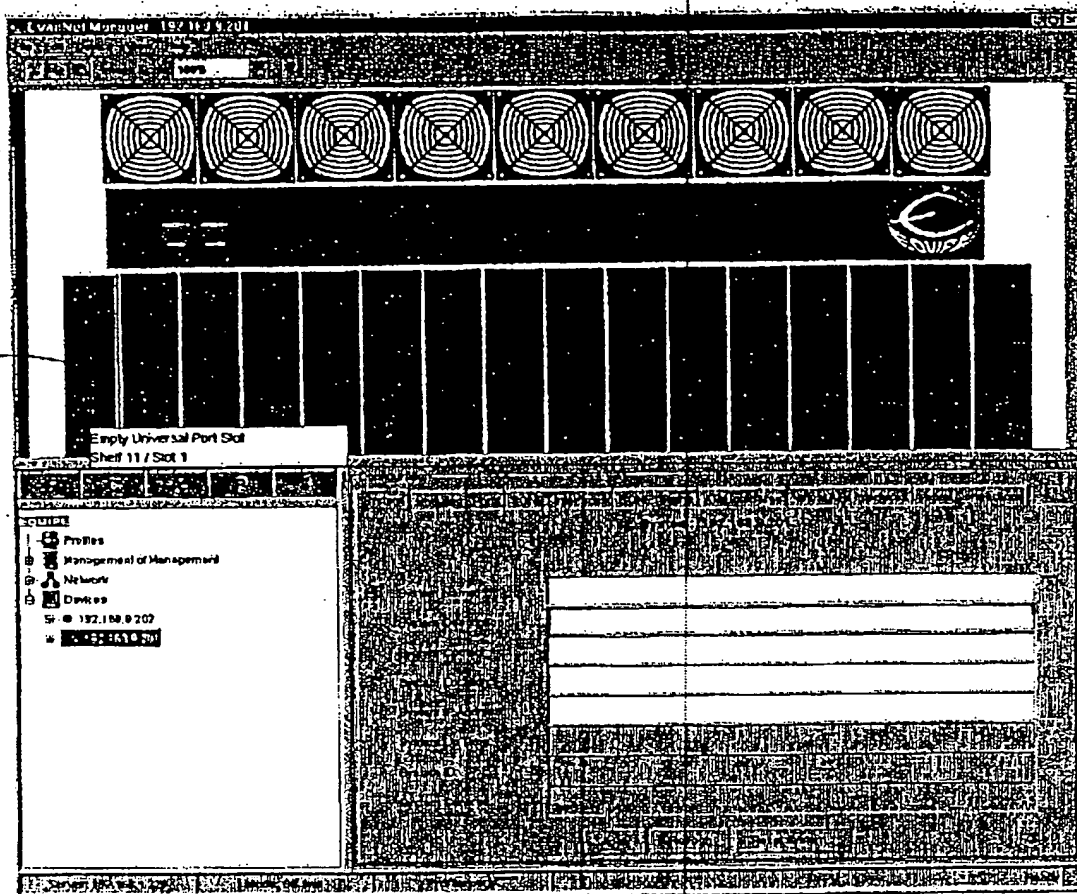


Fig. 6h

00740204 4200

895

896f

896g

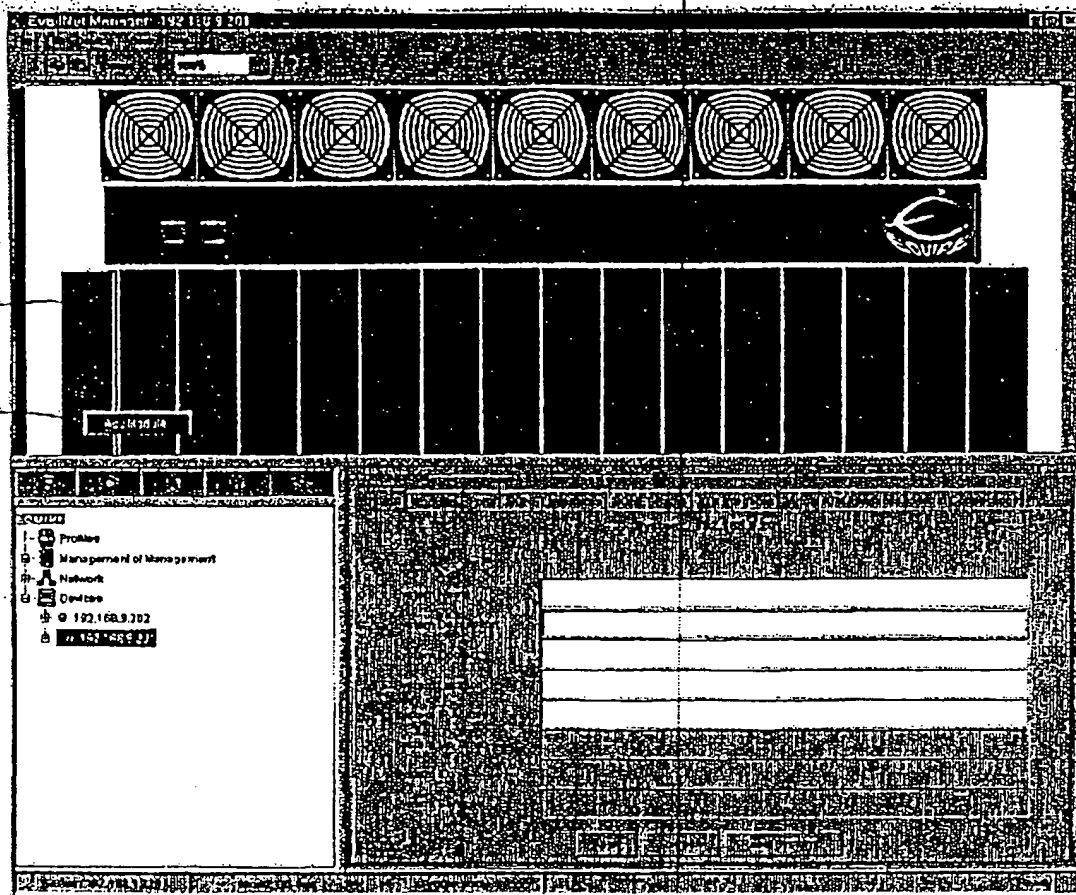


Fig. 6i

00748204 43400

Fig. 6J

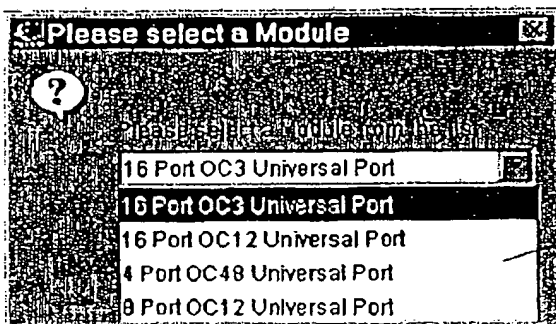
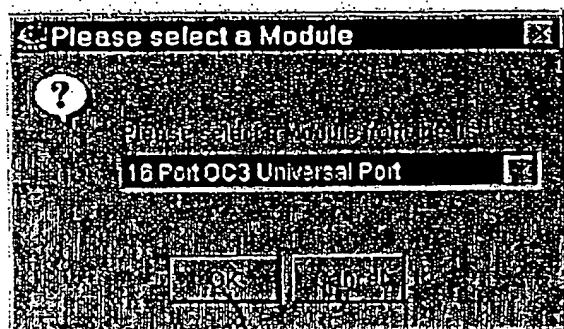


Fig. 6K

895

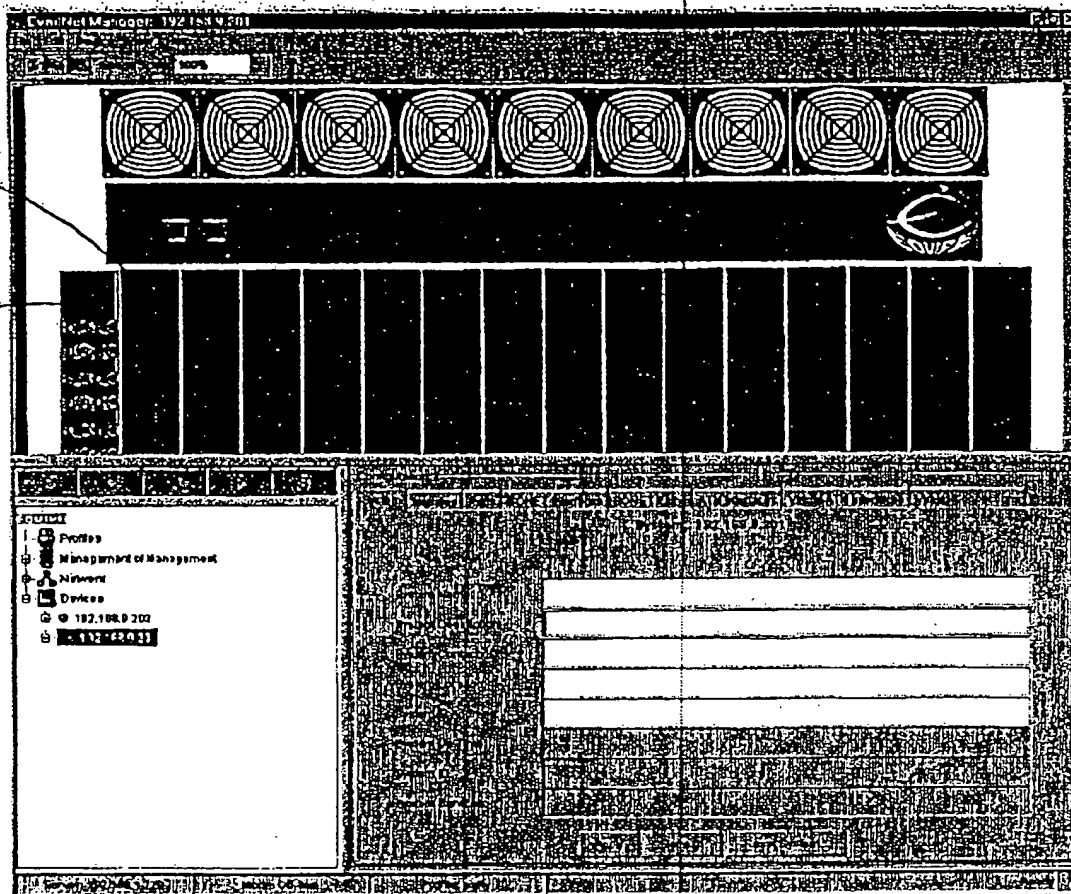


Fig. 61

2007-08-29 14:48:00

895

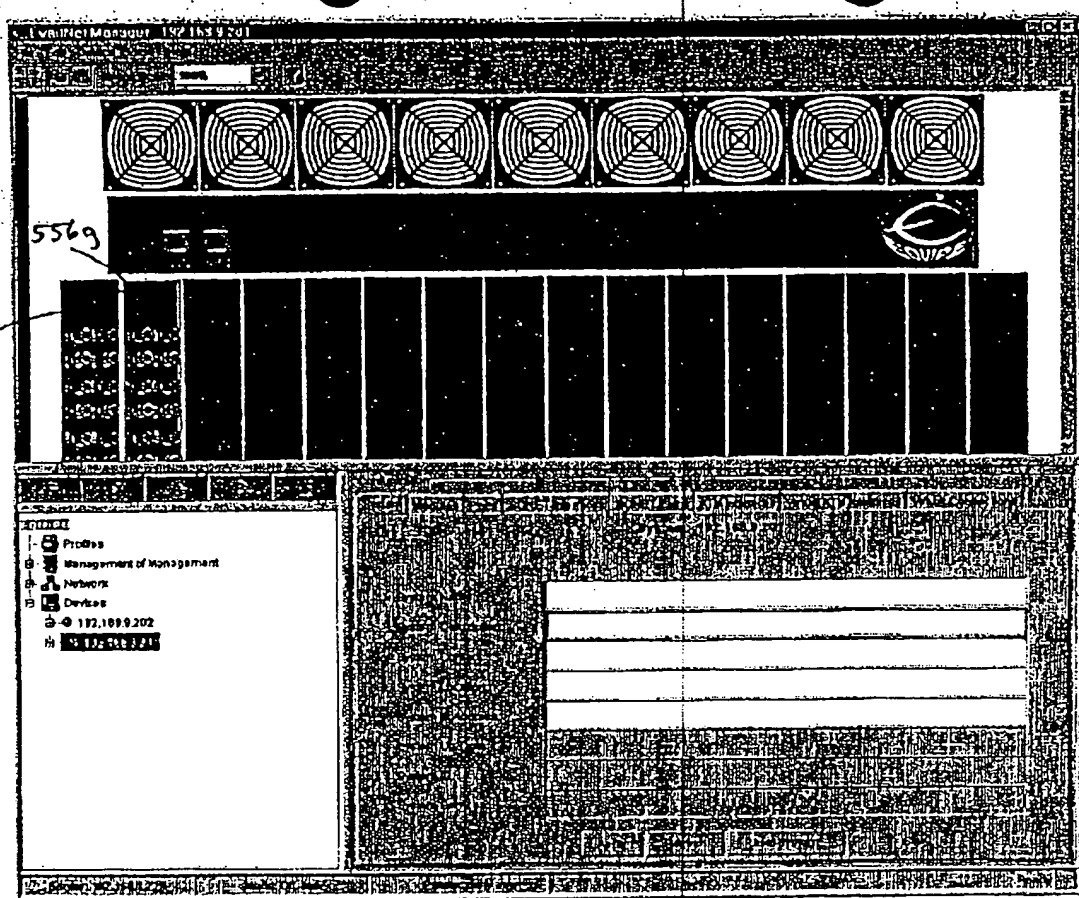


Fig. 6m

097-1034-1-4-4-00

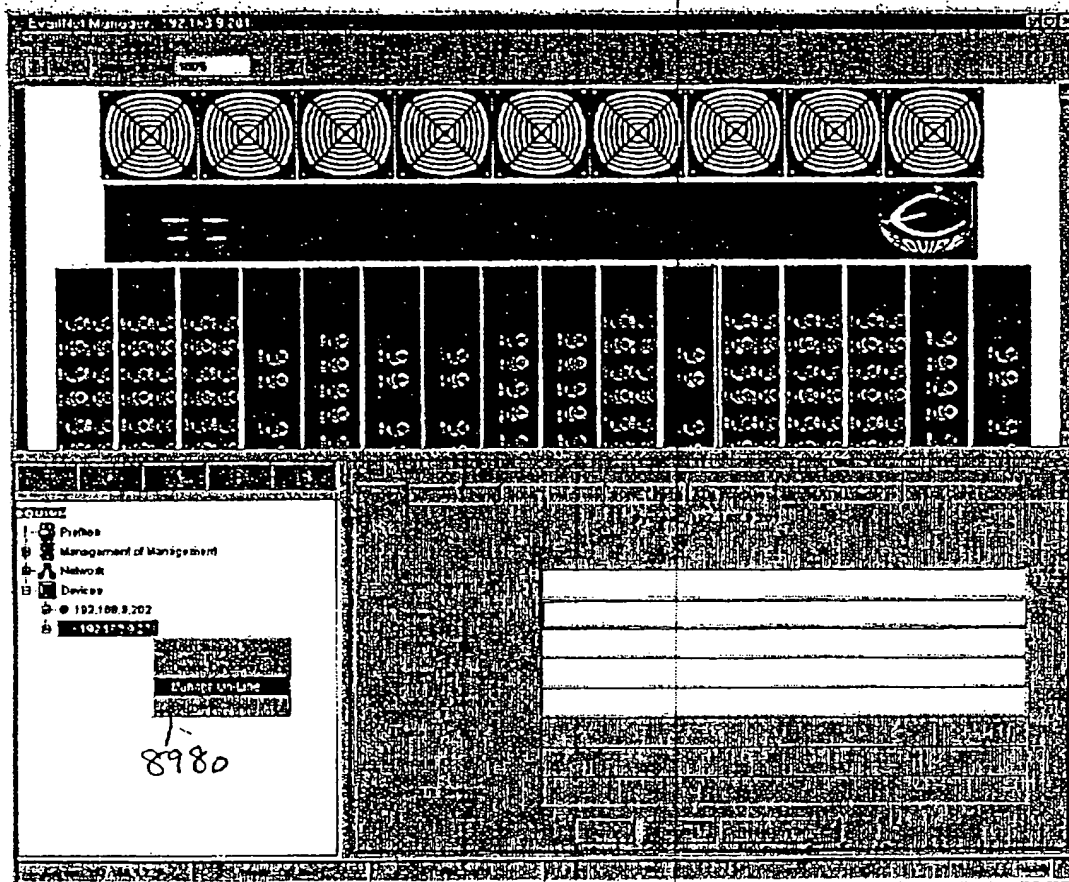


Fig. 6n

895

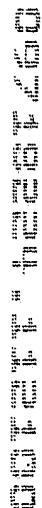


Fig. 60

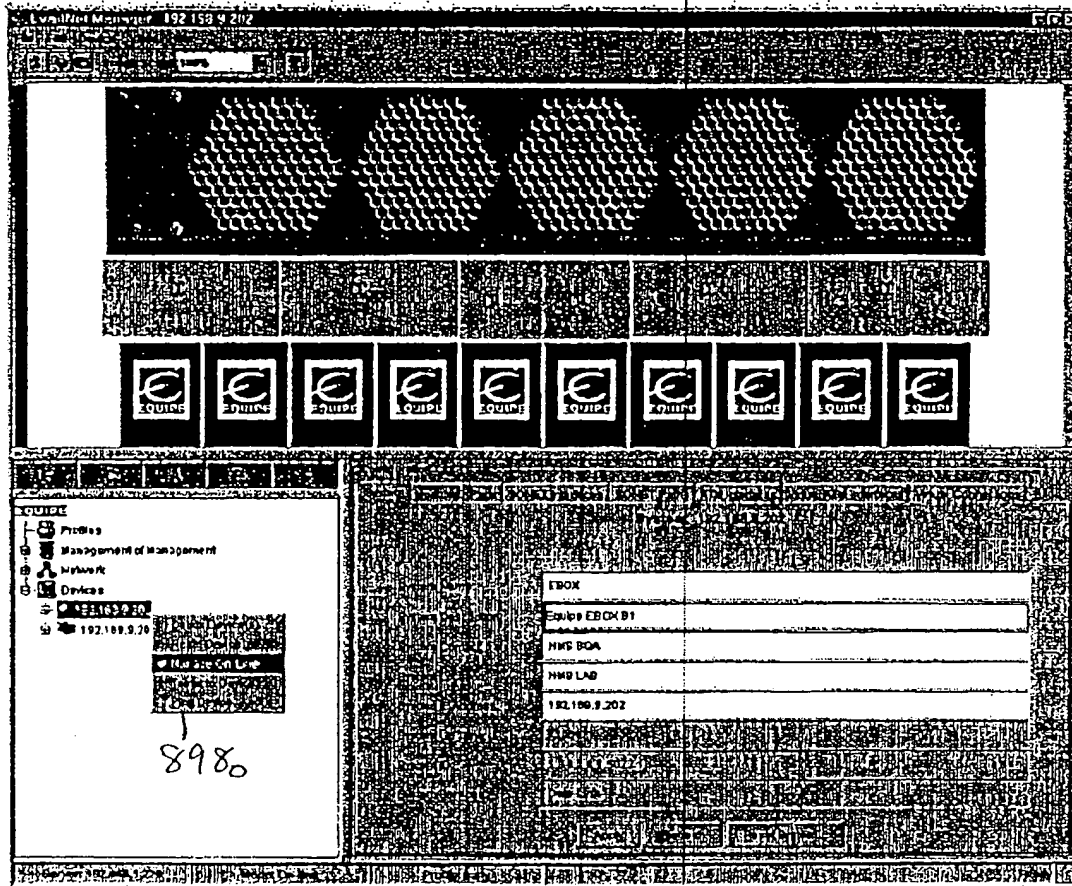


Fig. 6p

895

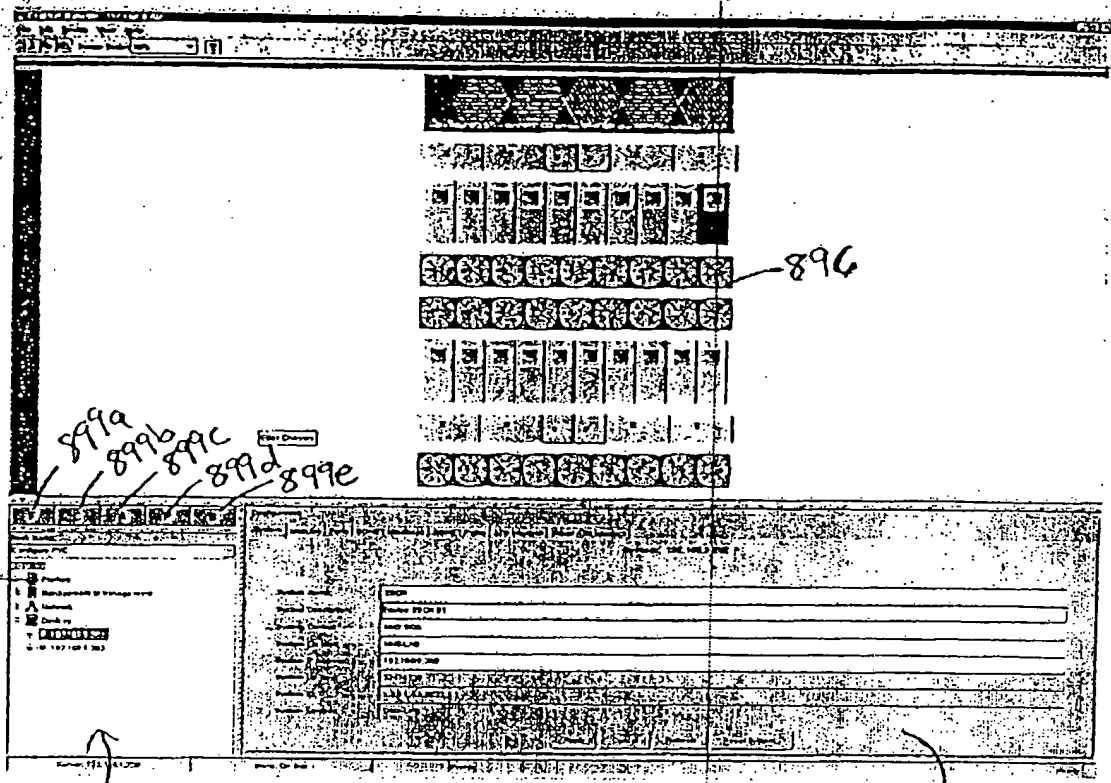


Fig. 7a

Fig. 7b

1. The first step is to identify the problem. This involves understanding the current situation and the goals that need to be achieved.

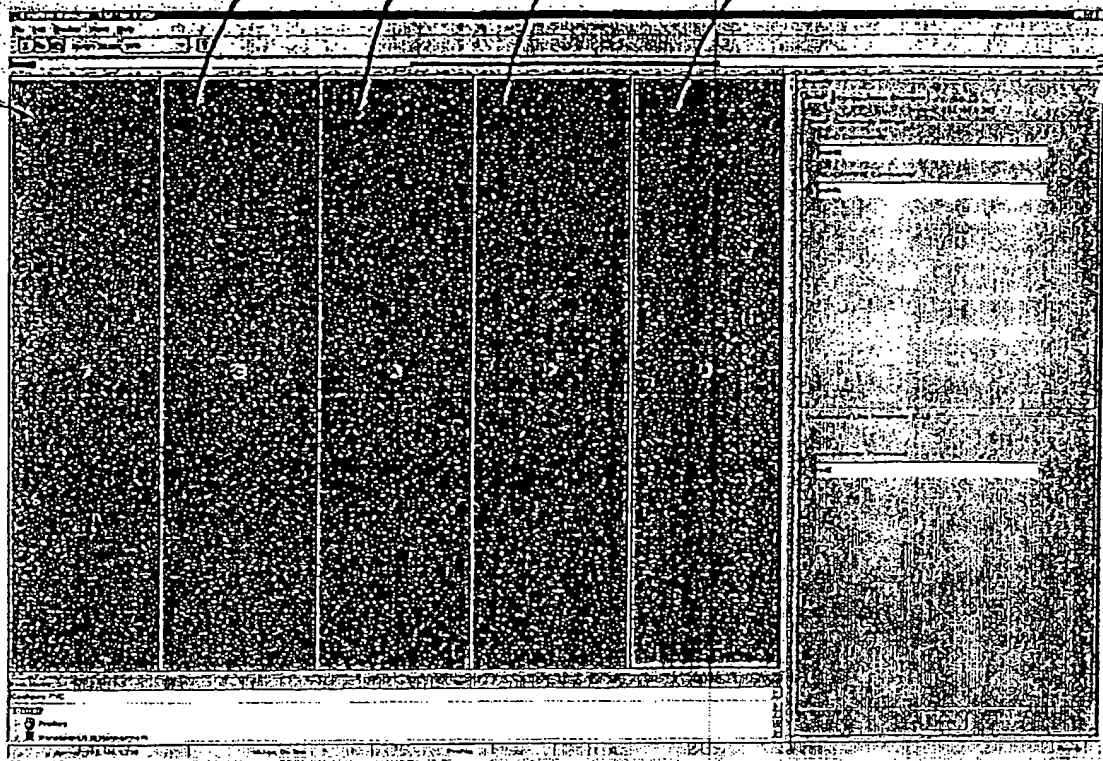
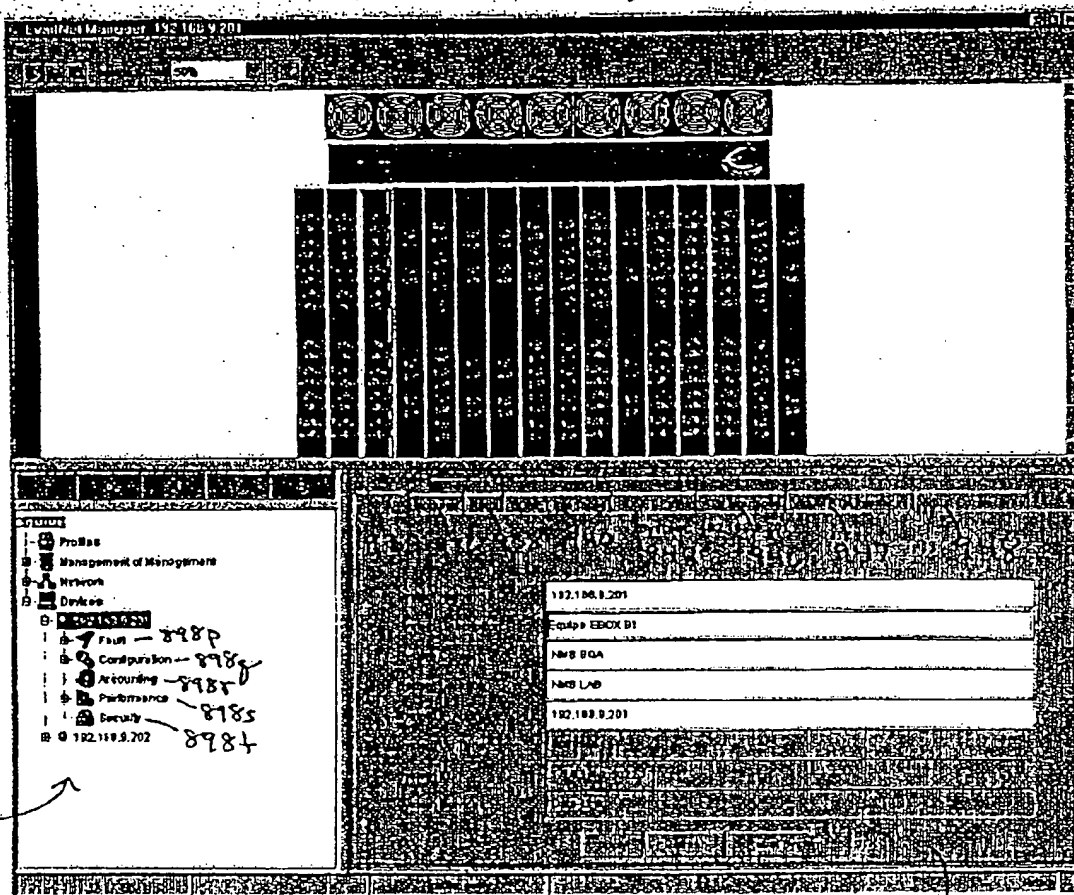


Fig. 7c

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Fig. 7d

895

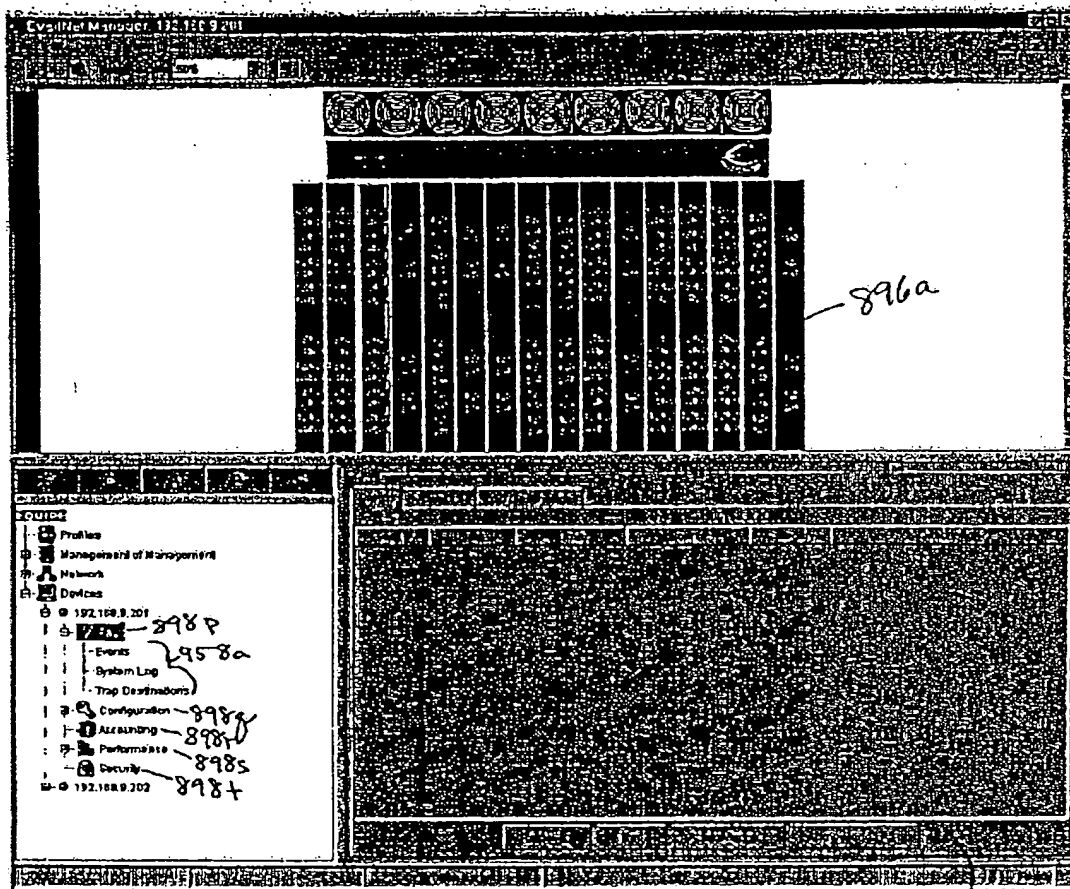


Fig. 7e

895

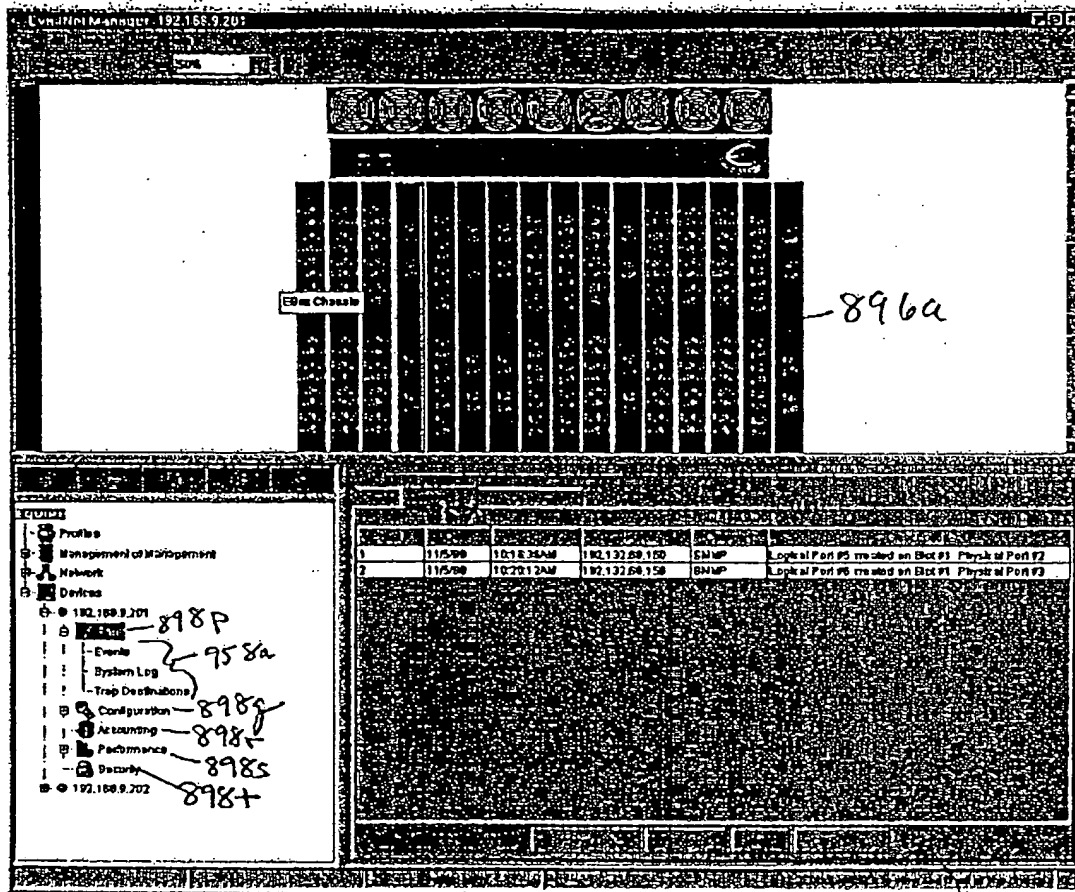
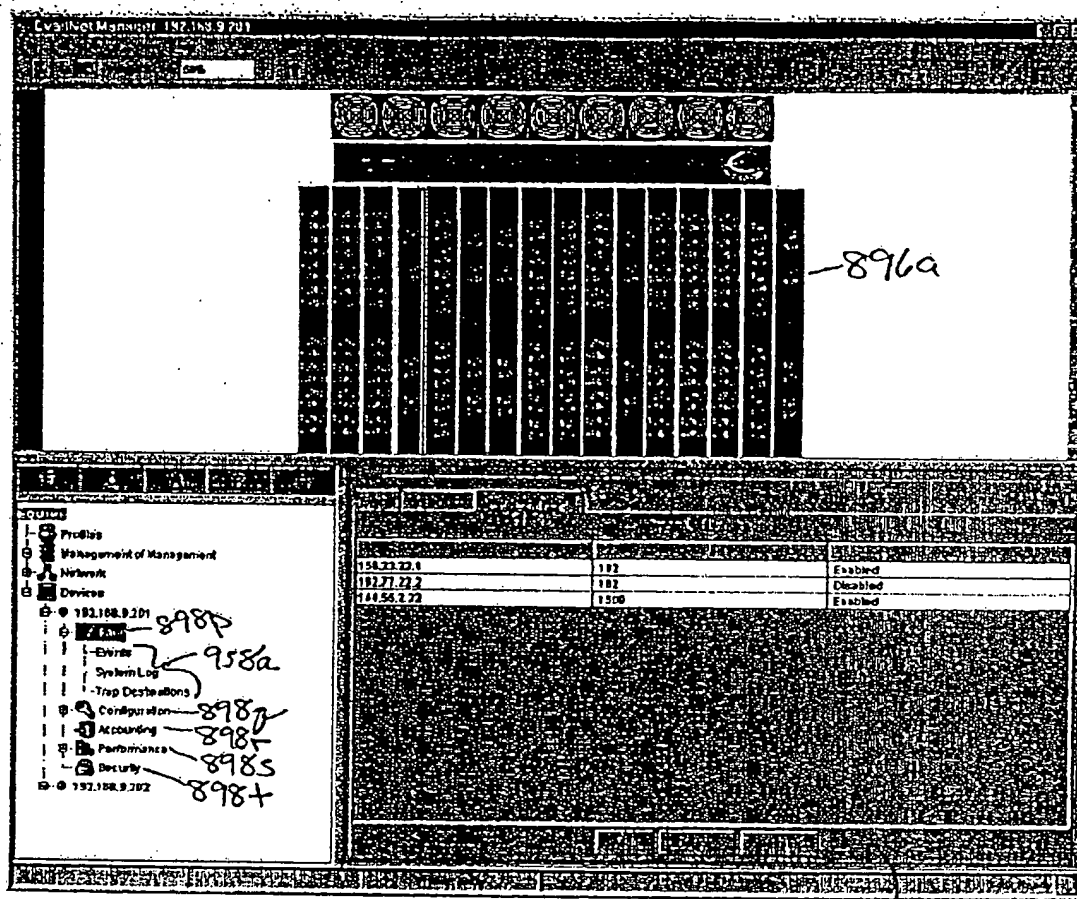


Fig. 24

✓ 895



897

Fig. 7g

[illegible]

895

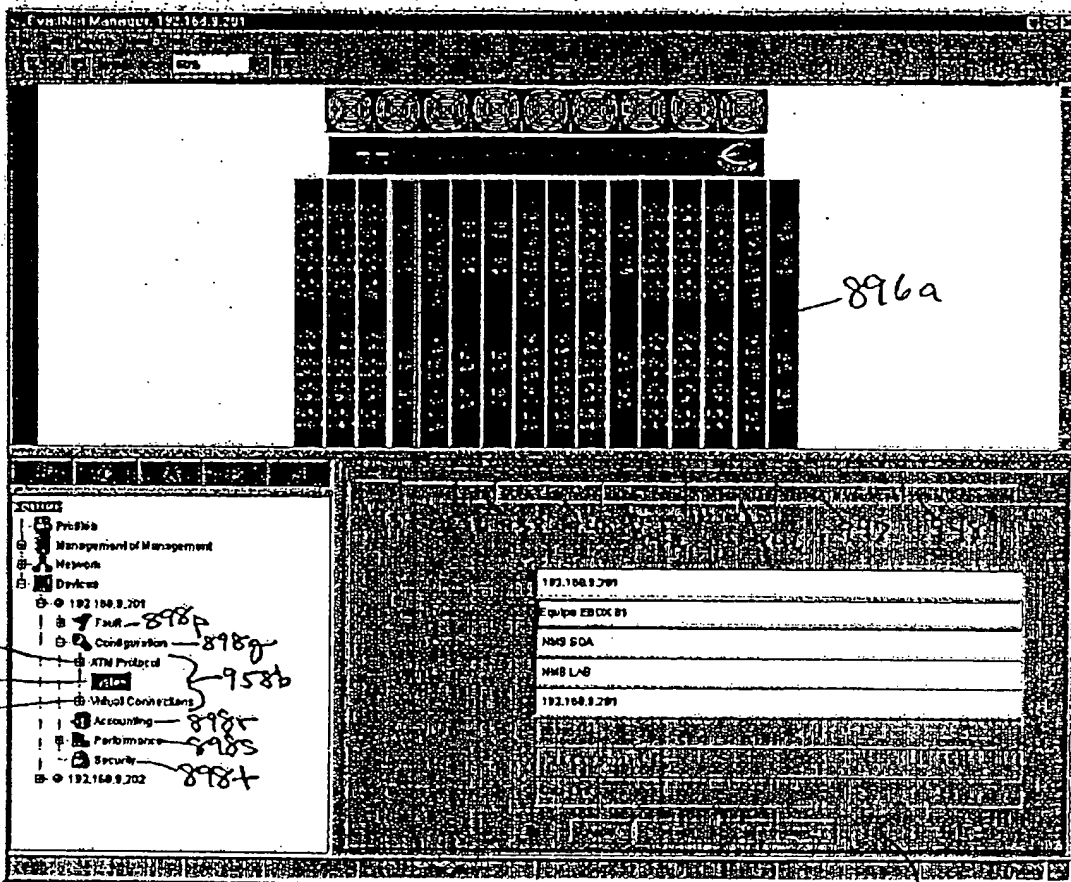


Fig. 7h

895

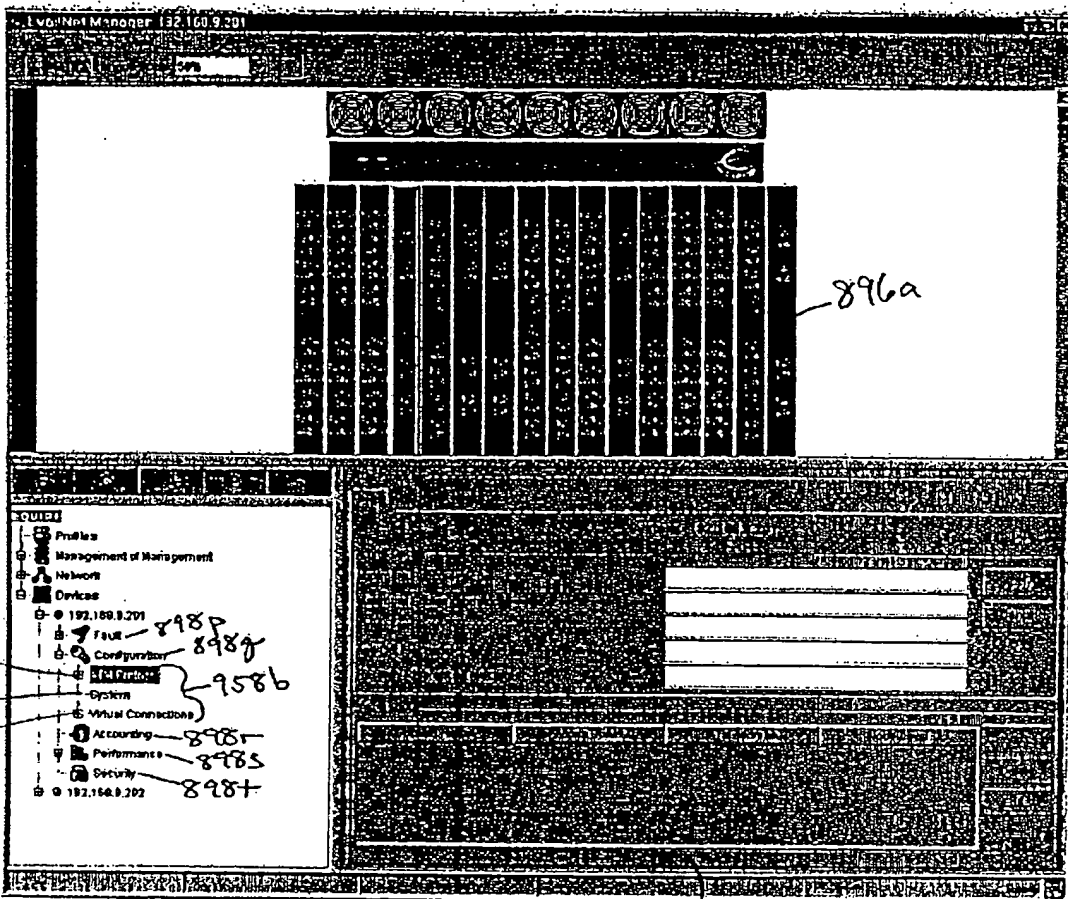
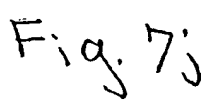


Fig 7i



895

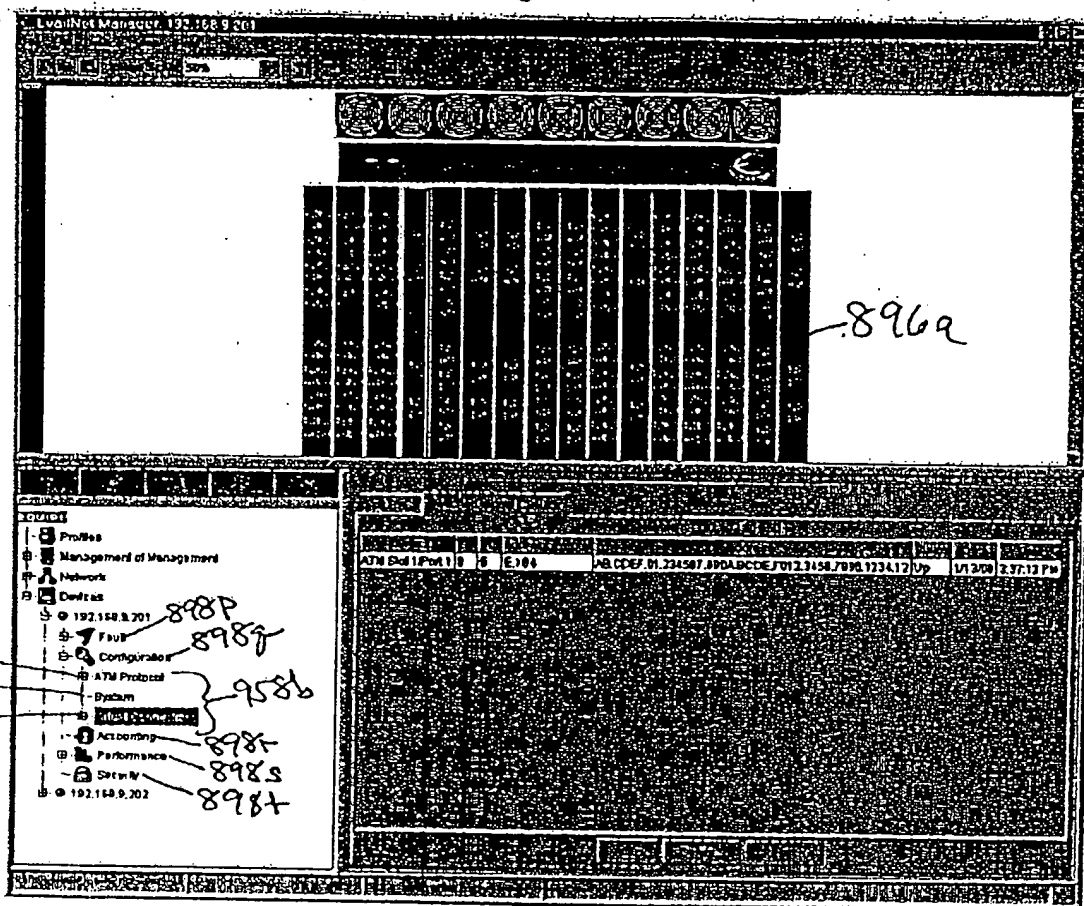
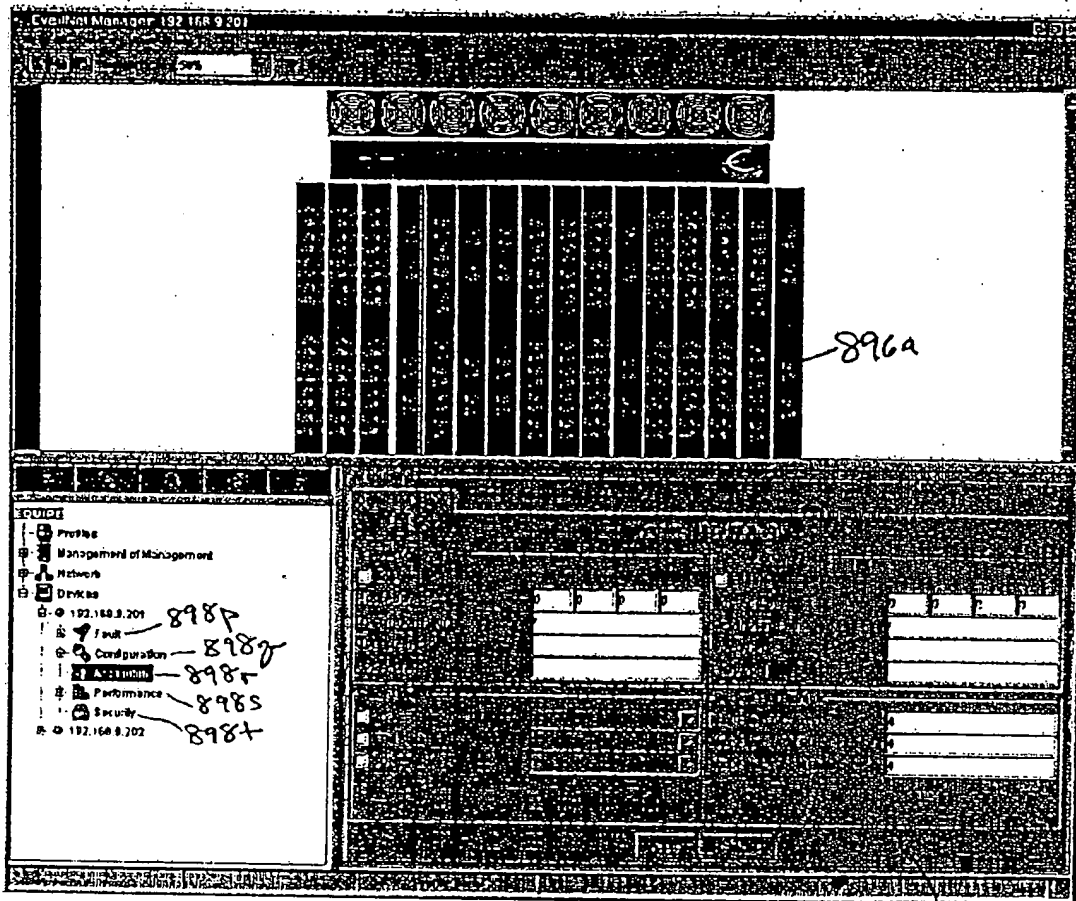
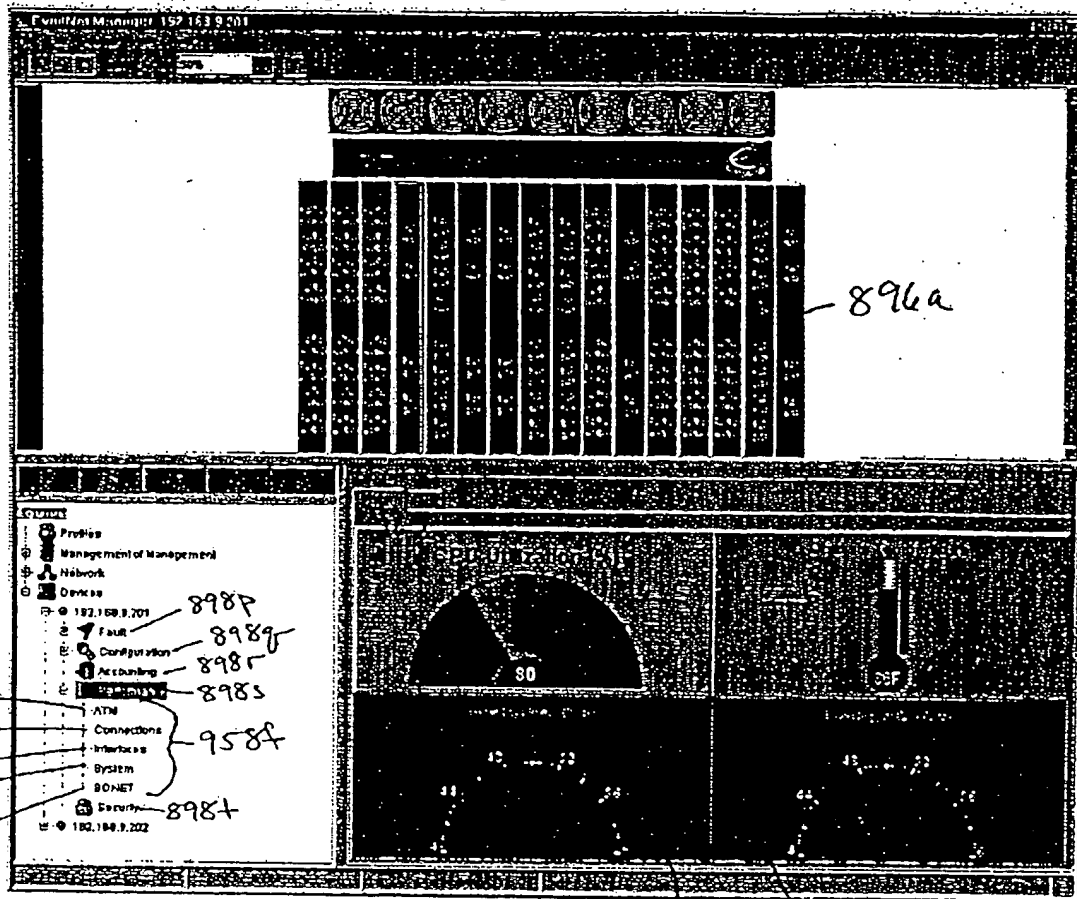


Fig. 7K



895



962e 962f

Fig. 7m

895

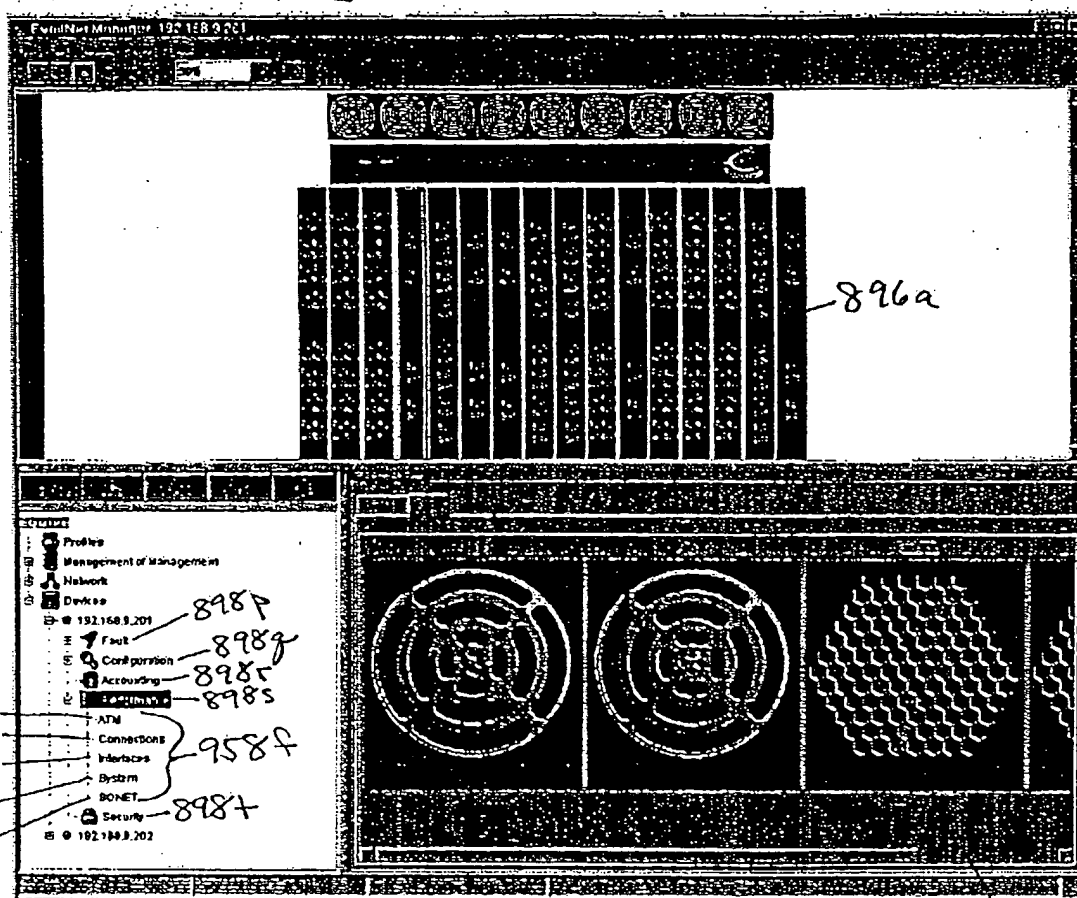


Fig. 7n

895

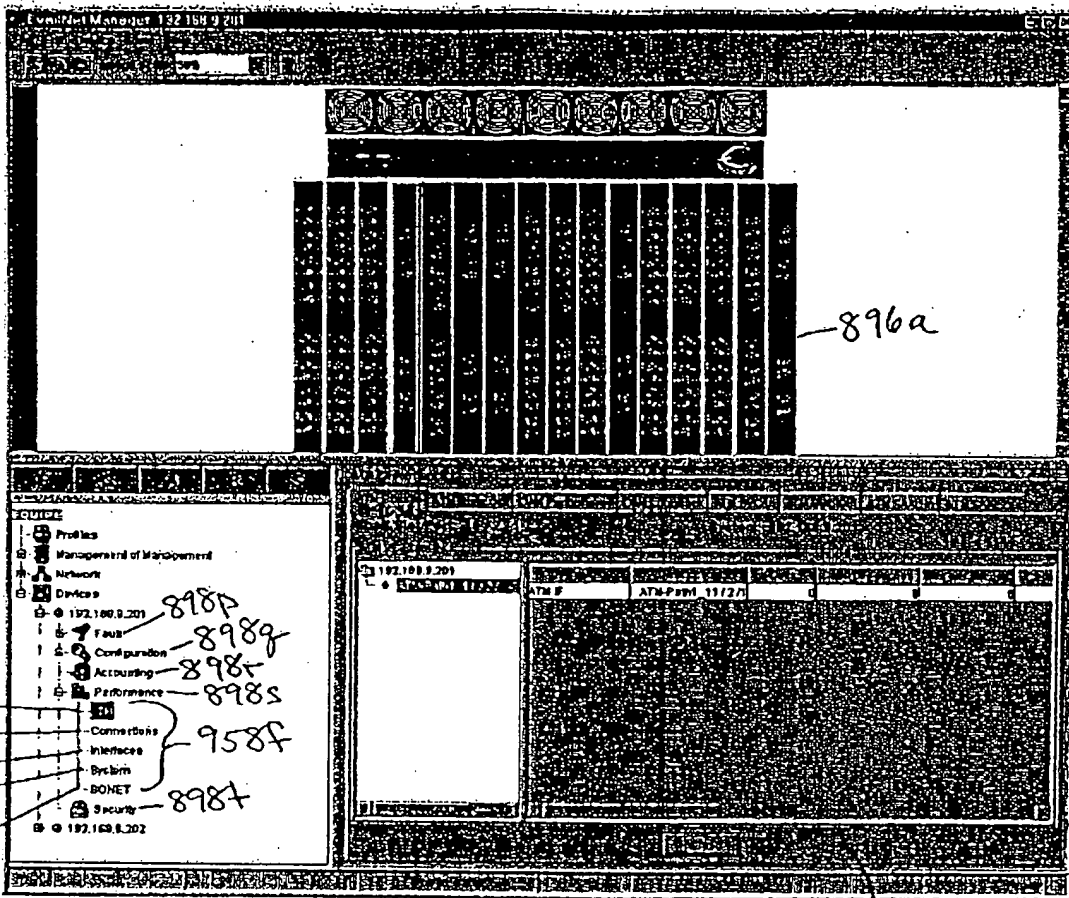
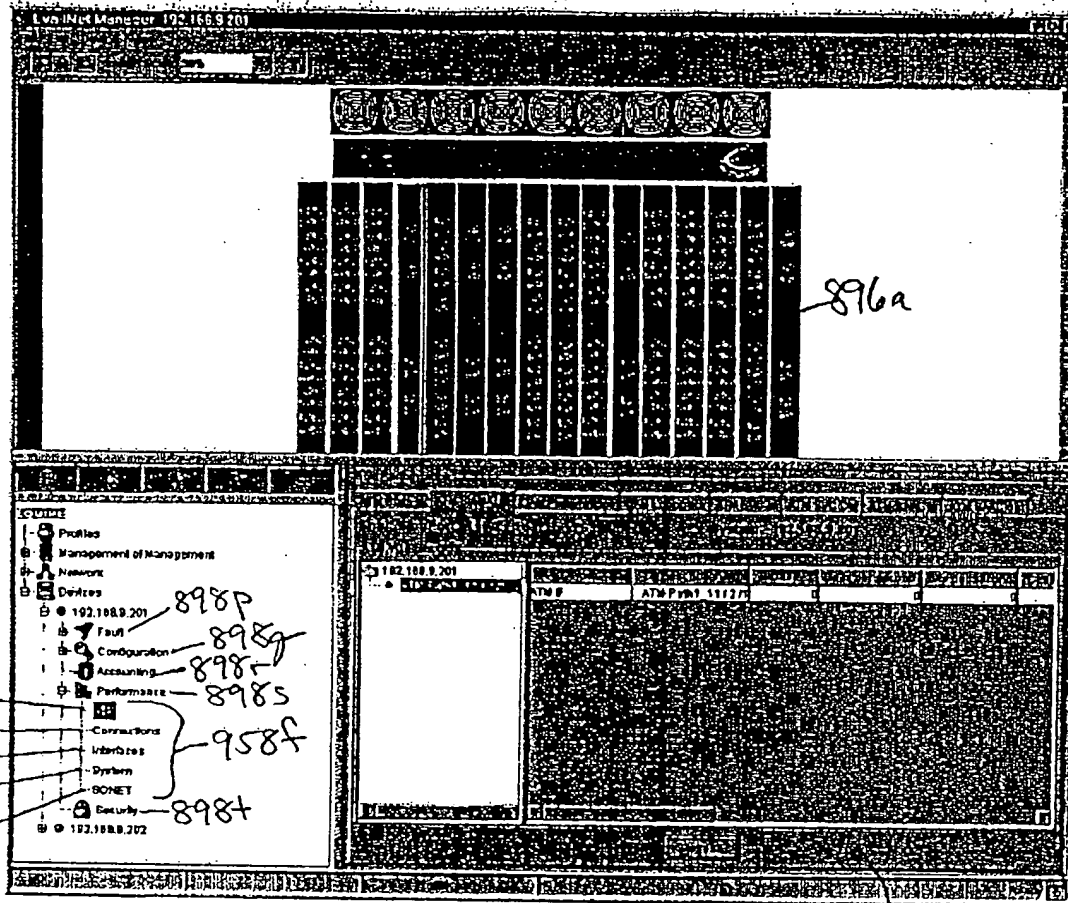


Fig. 70

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895

Fig. 7p

895

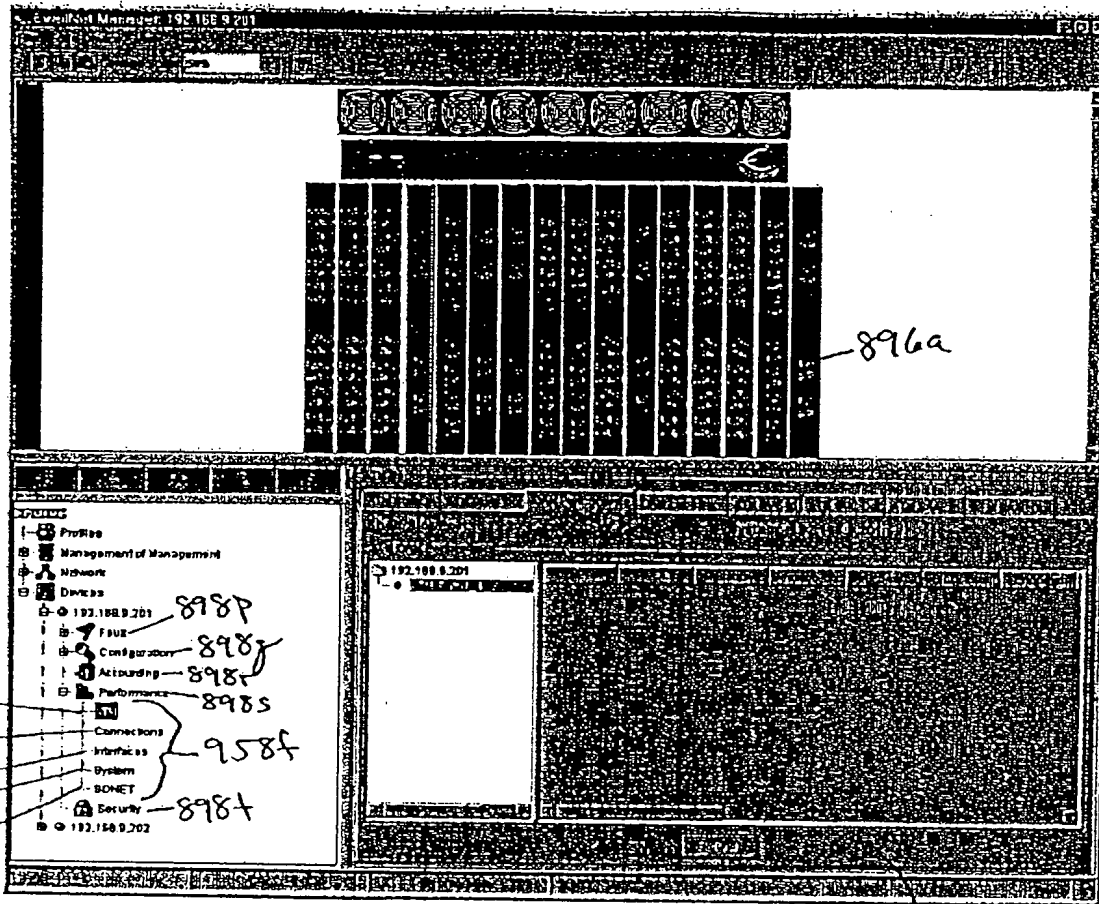


Fig. 7g

895

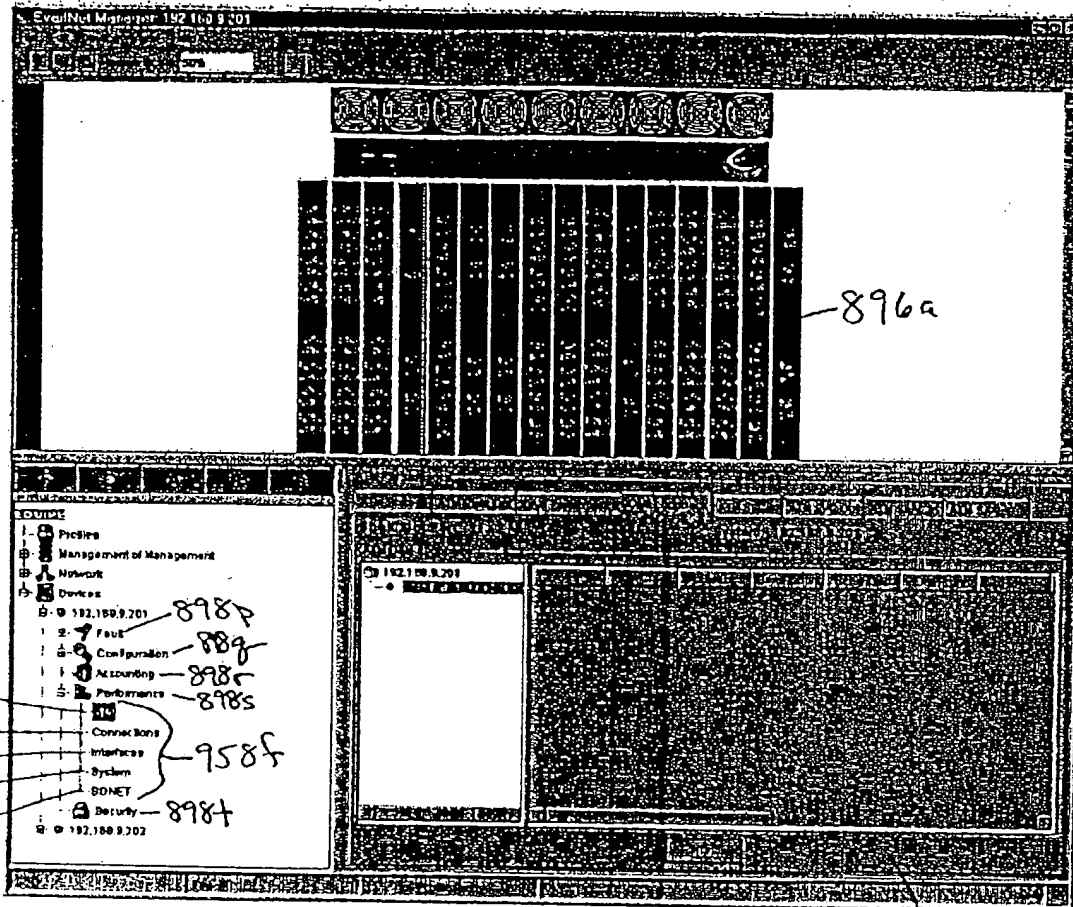


Fig. 7

895

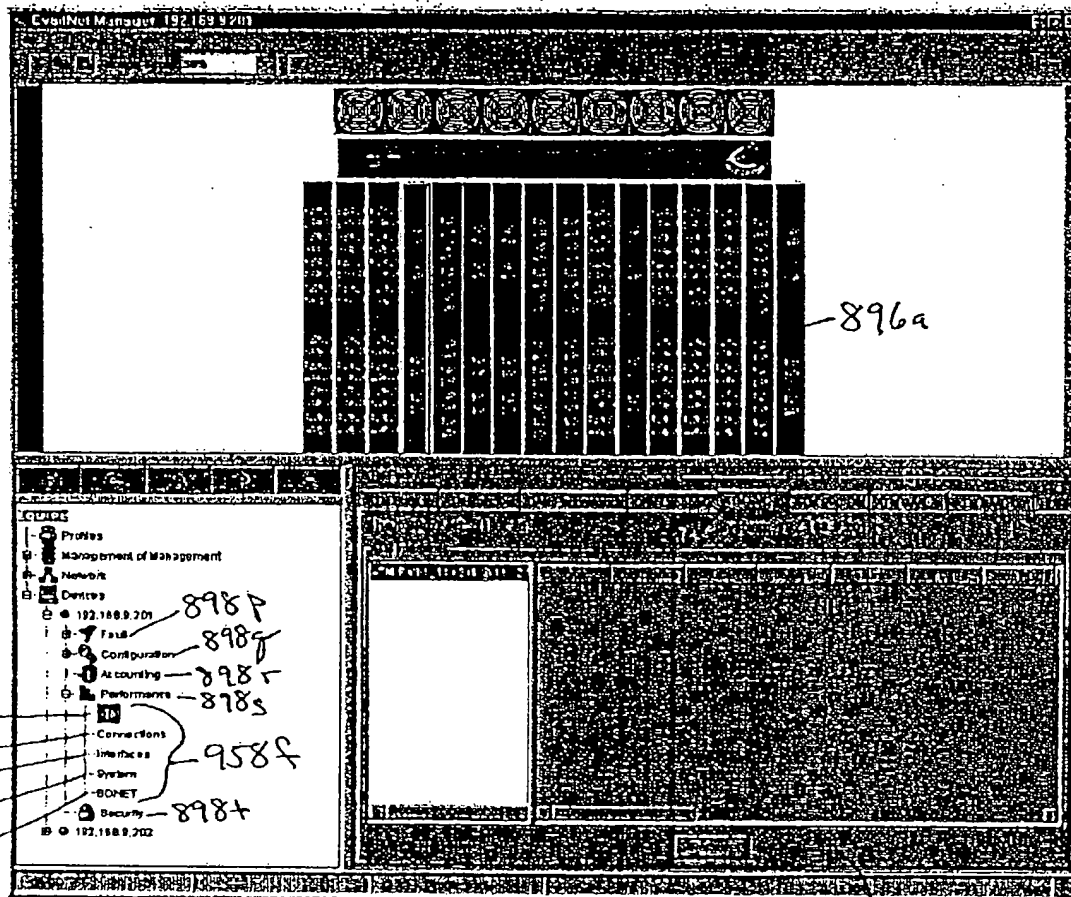


Fig. 7s

895

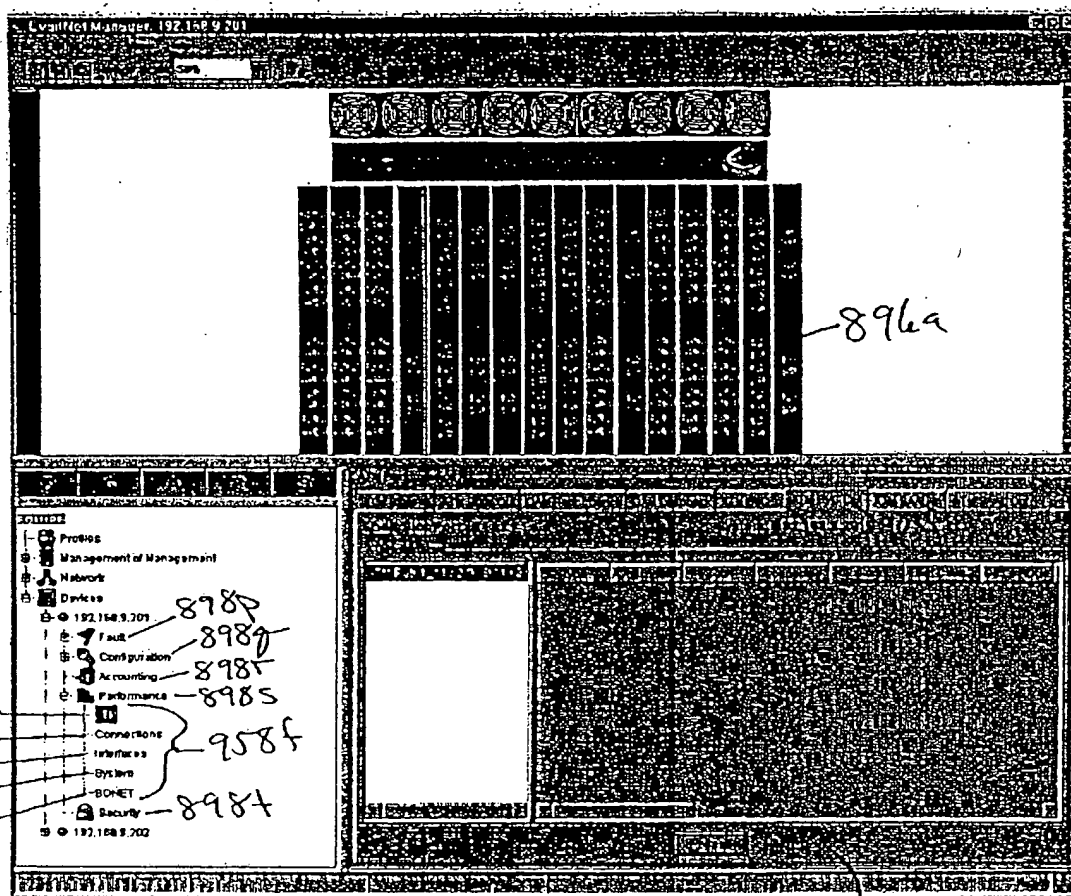
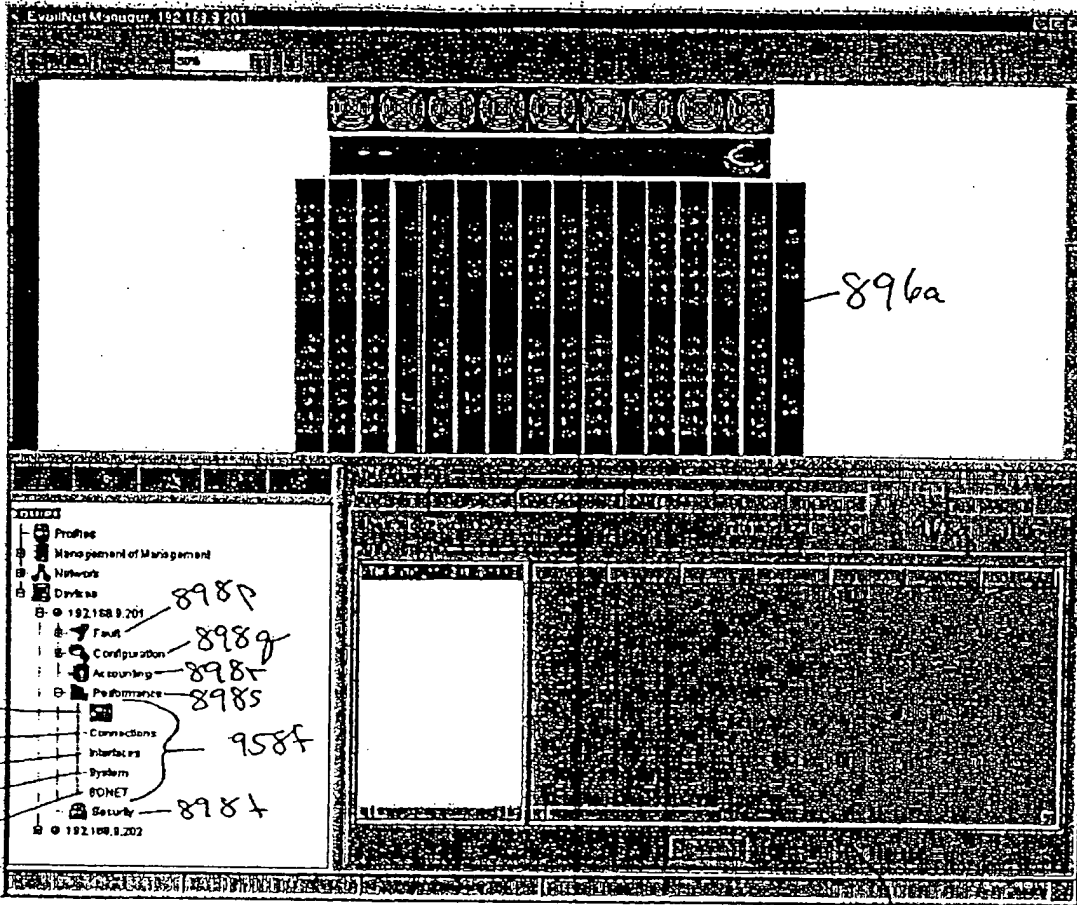


Fig. 7+

895



897

Fig. 7u

895

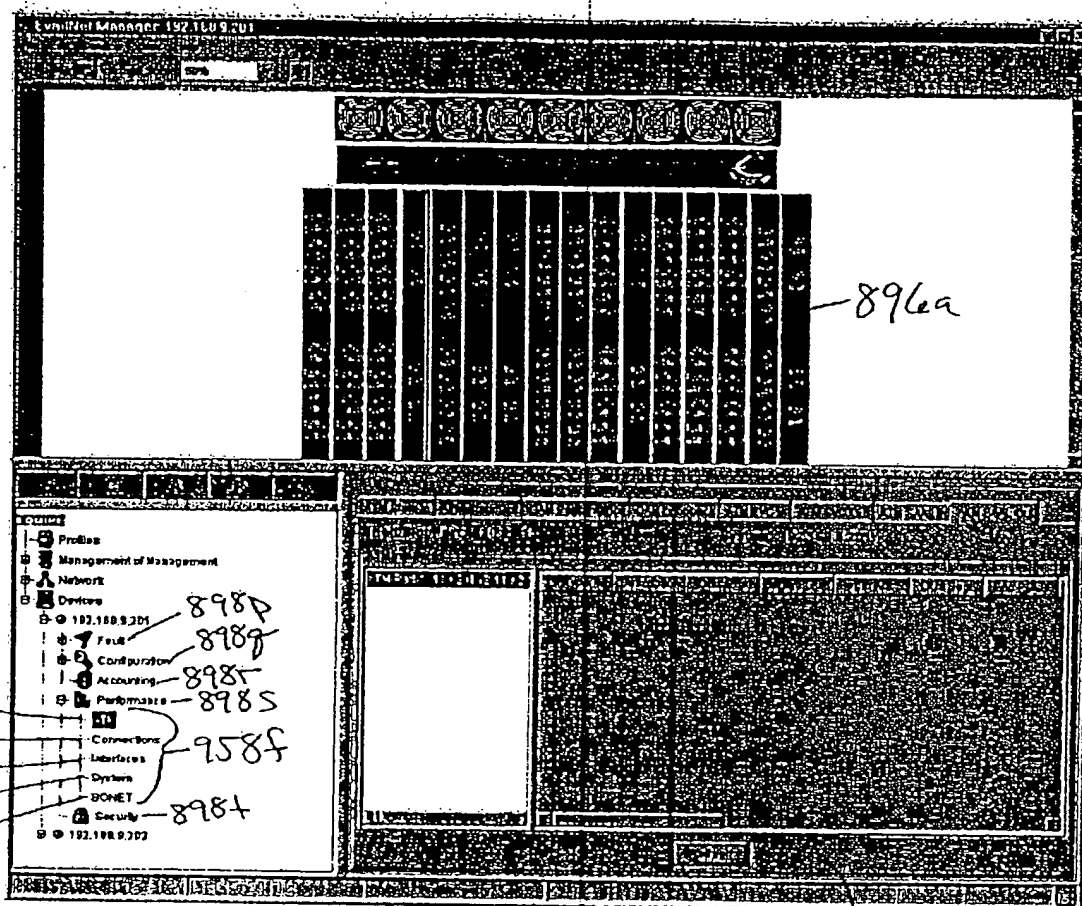


Fig. 7v

895

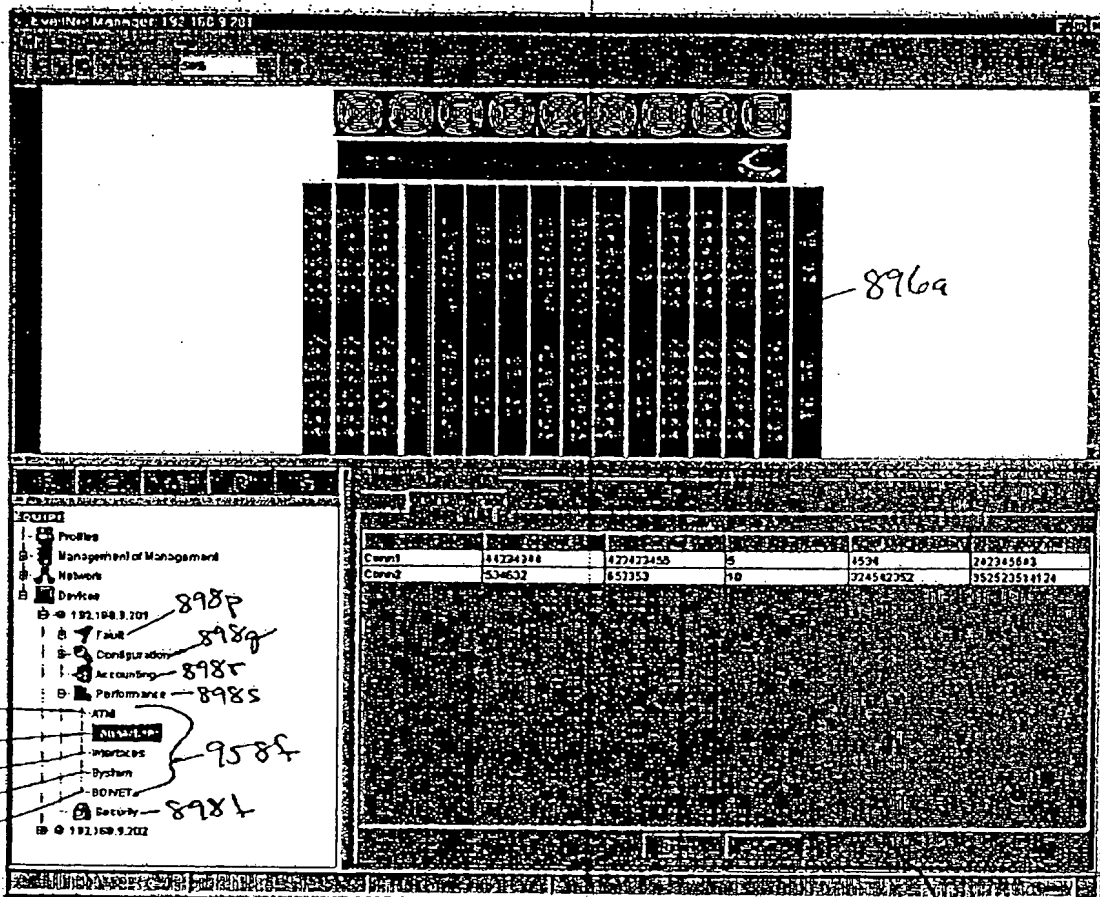


Fig. 7w

895

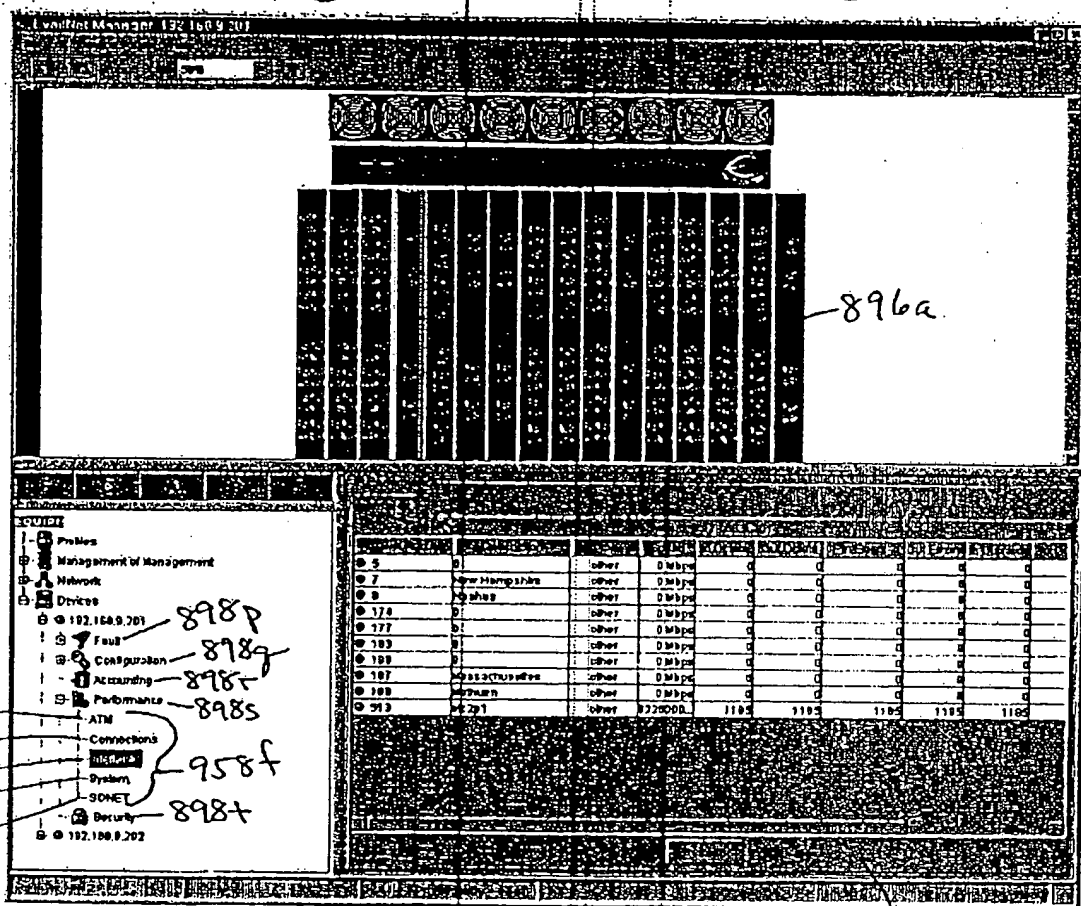
-896a

897

Fig. 7x

Core	Depth (m)	Grain Size (mm)	Grain Size (mm)	Grain Size (mm)	Grain Size (mm)	Grain Size (mm)
Core 1	900	50	600	570	30	550
Core 2	120	40	167	2100	4005	7105

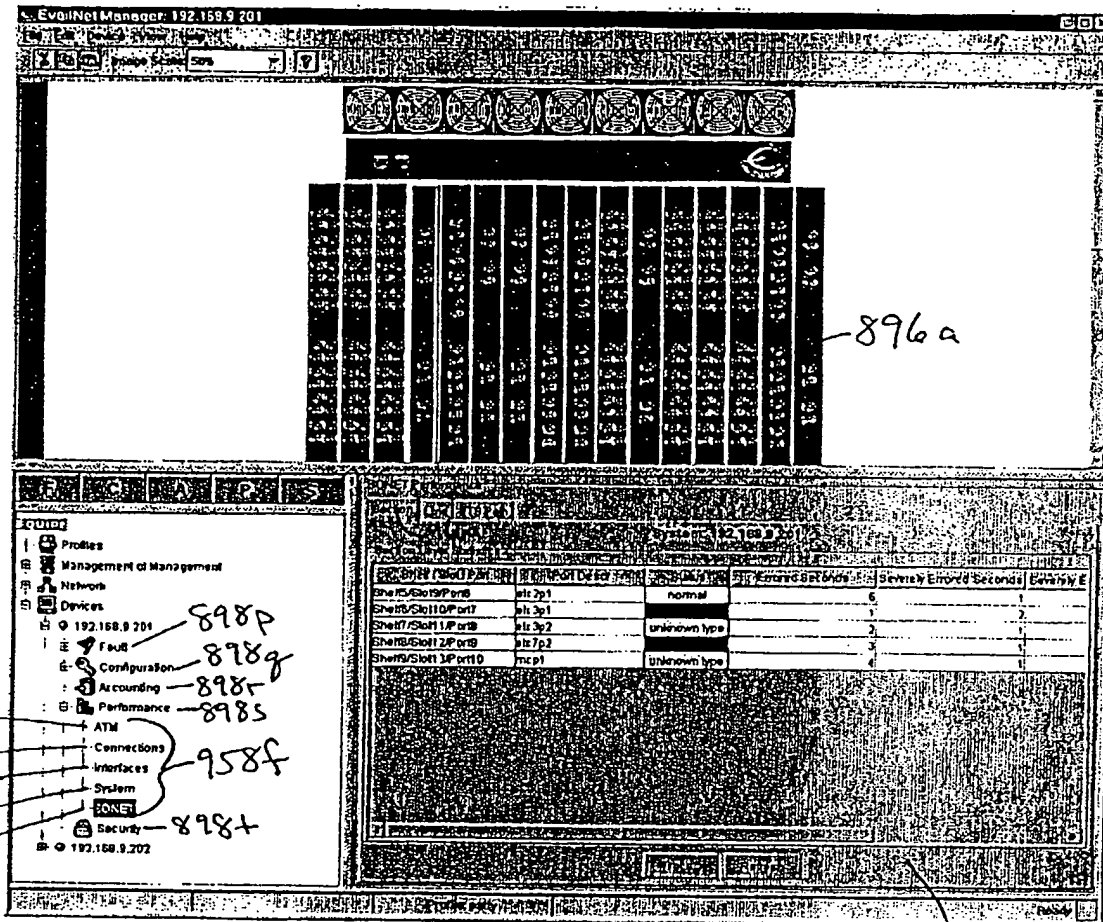
895



958g
958h
958i
958j
958k

Fig. 7y

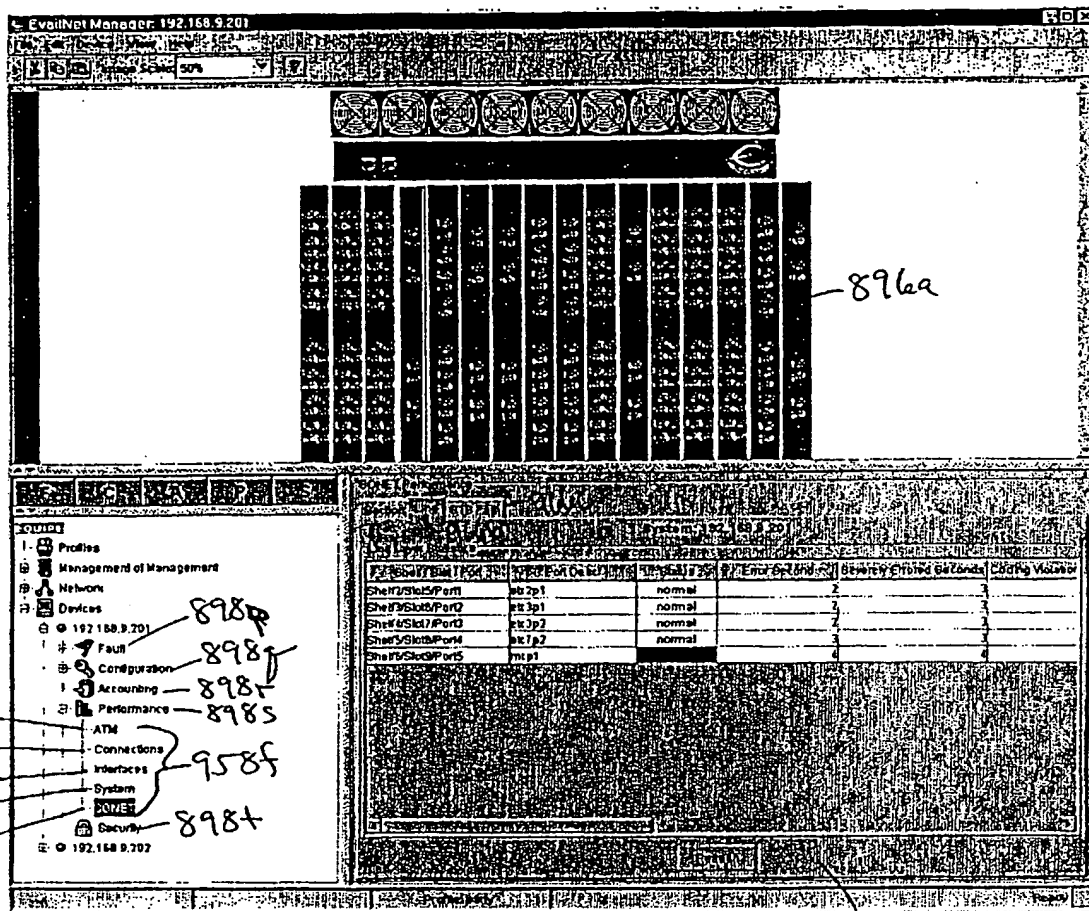
895



897

Fig. 8a

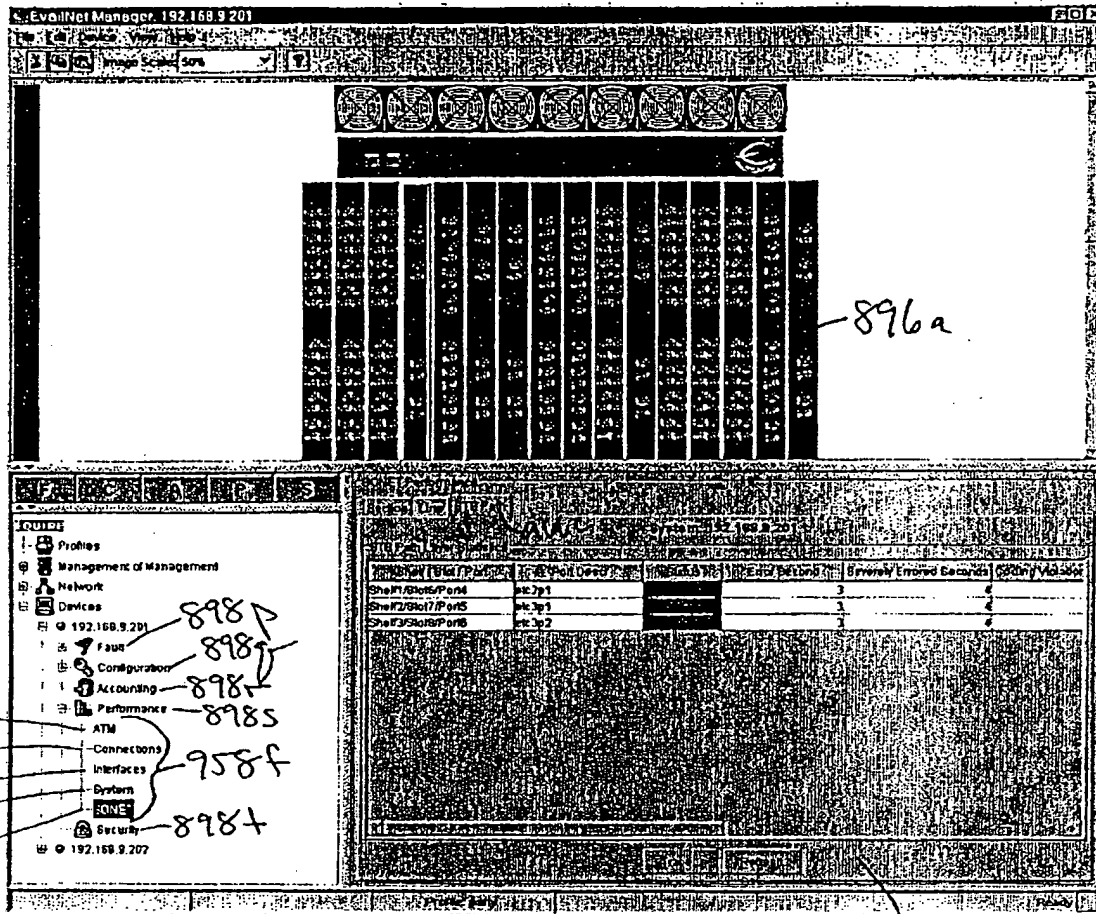
895



897

Fig. 86

895



896a

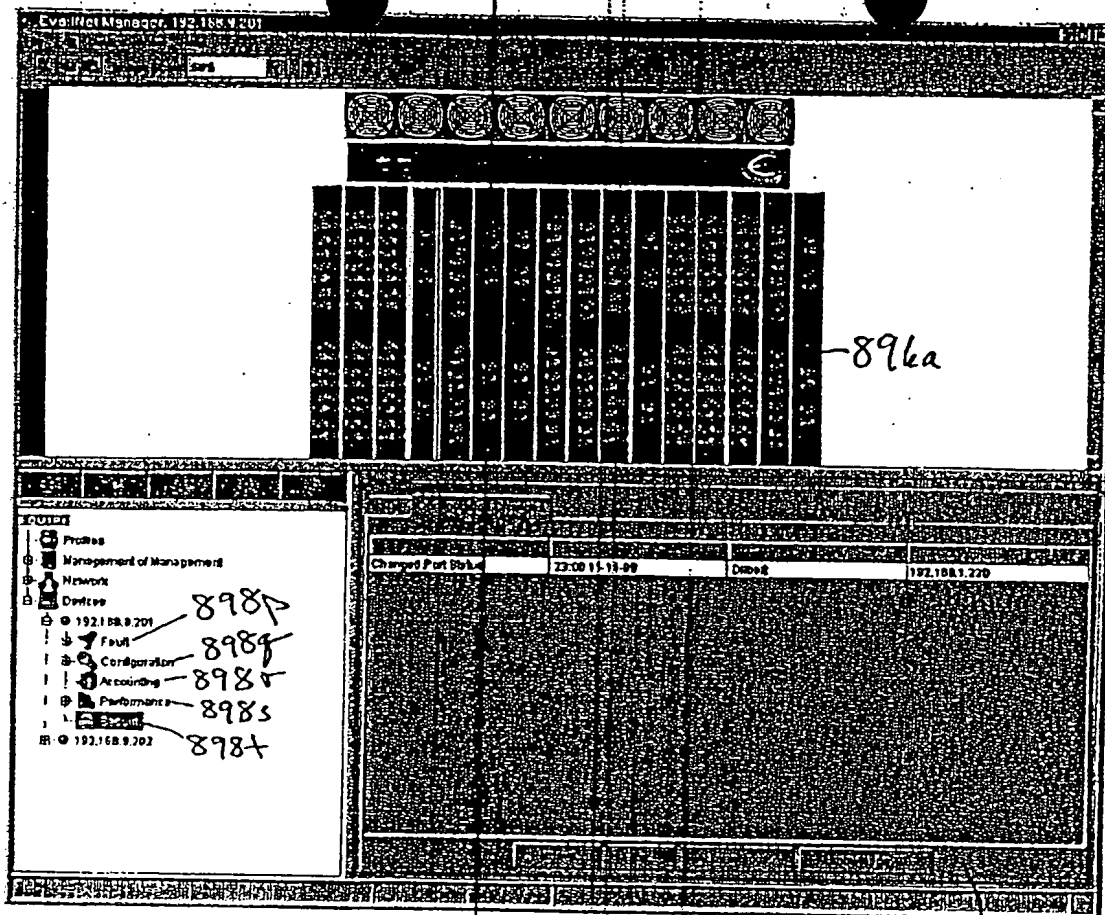
958g
958h
958i
958j
958k

898p
898q
898r
898s
898t
898u
898v
898w
898x
898y
898z

897

Fig. 8c

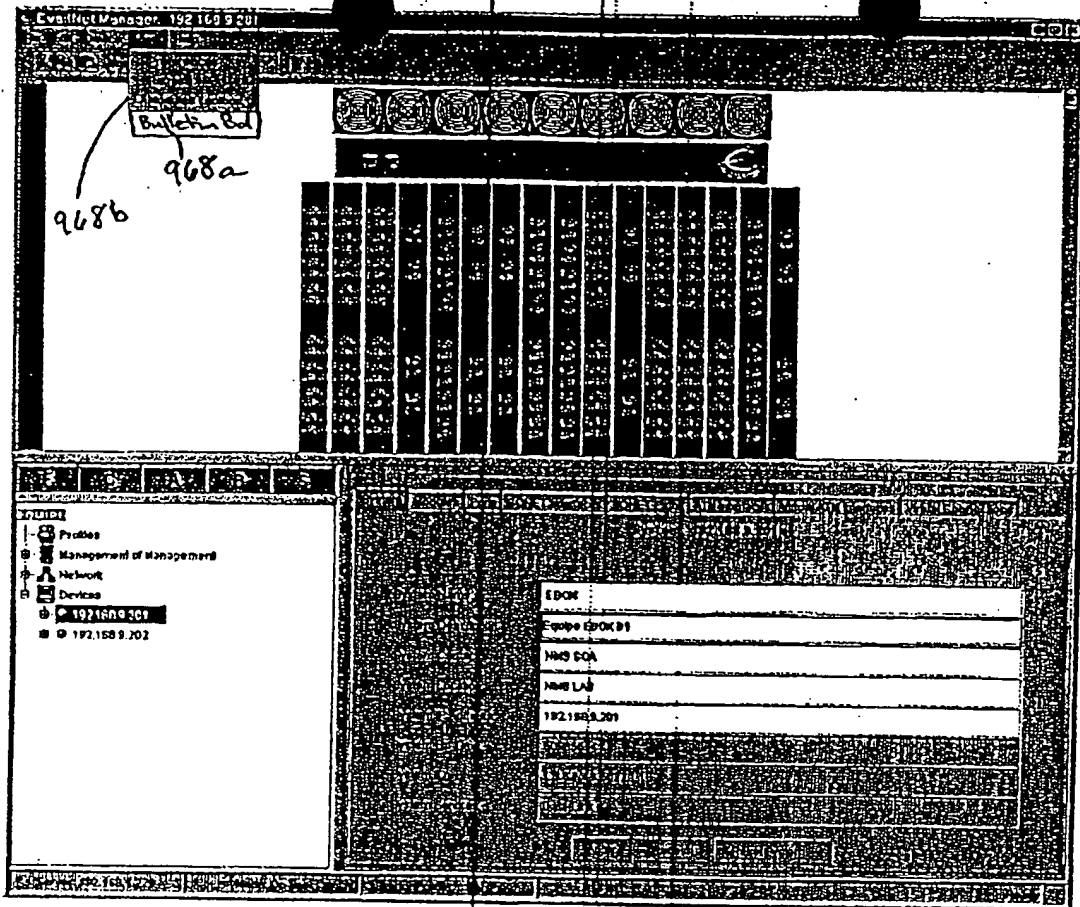
895



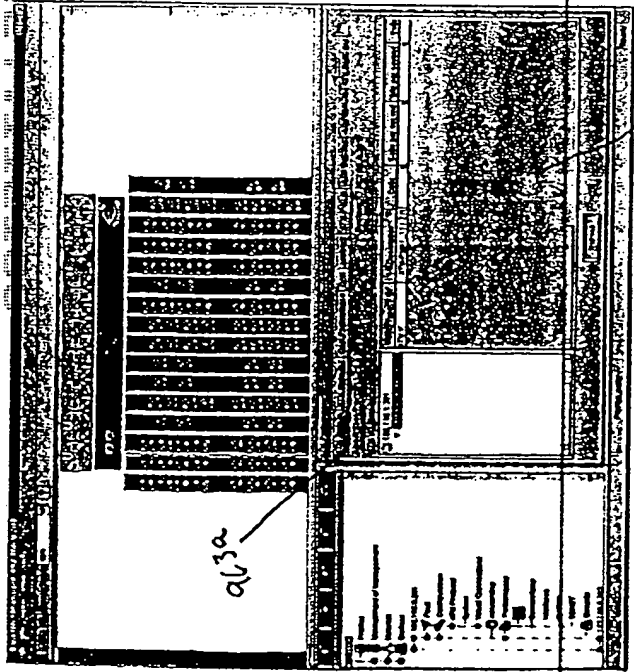
897

Fig. 8e

895



895

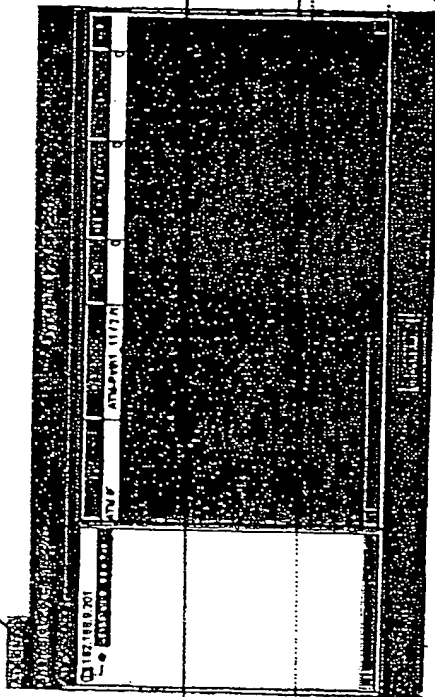


971c

970a



963a



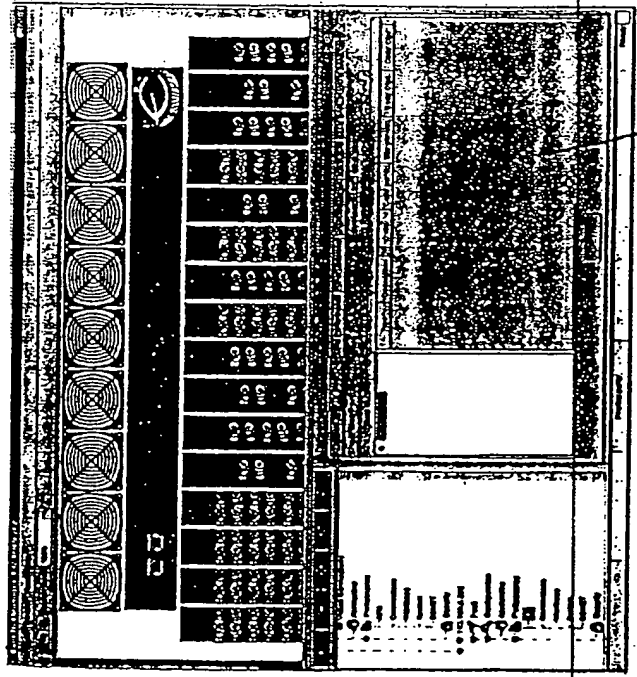
971d

Fig. 9b

971c

971f

5895



971c

963a

971g

971a



963b

971g

971b 971a



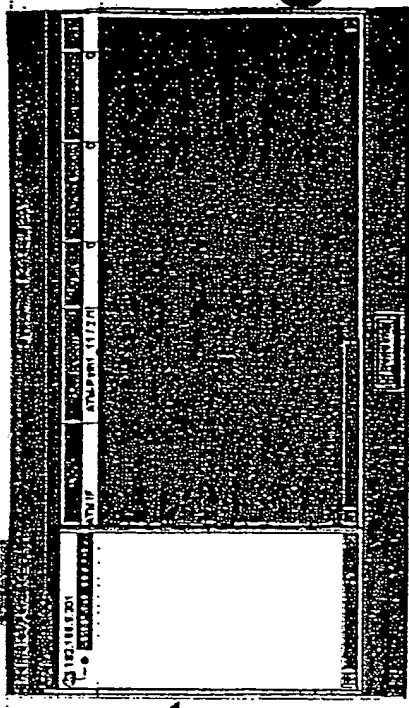
Fig. 9c

969b

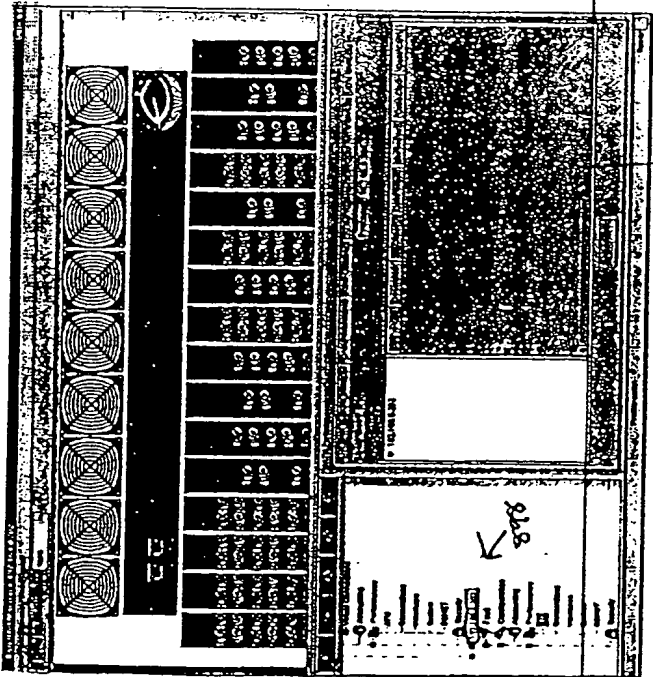
971d

971c

971f



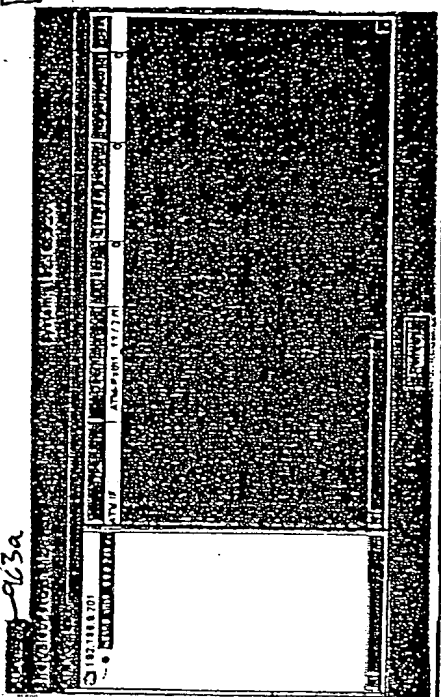
895



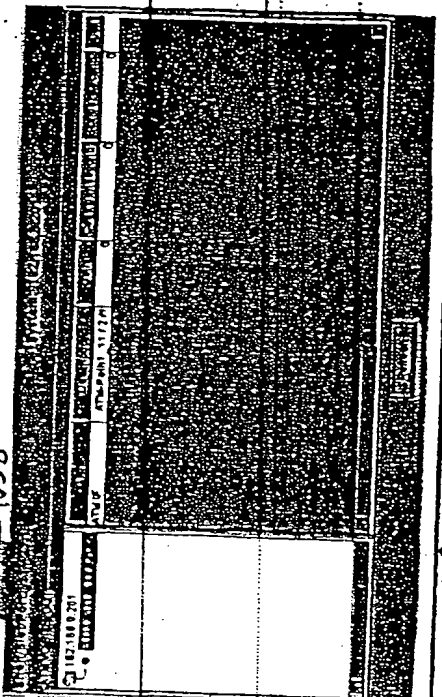
898

1004

963a



963b



969c

972a

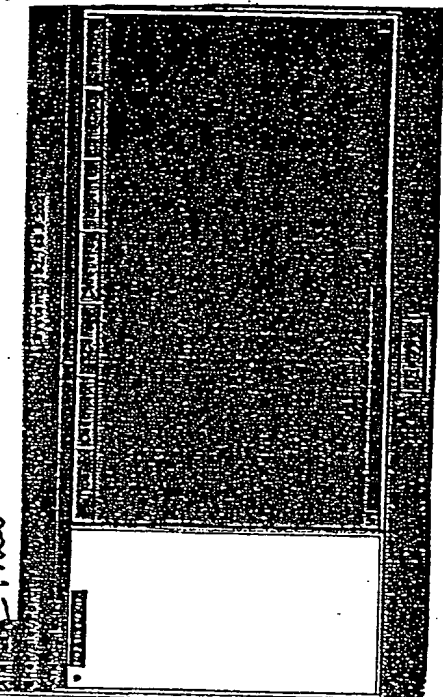


Fig. 9d

810

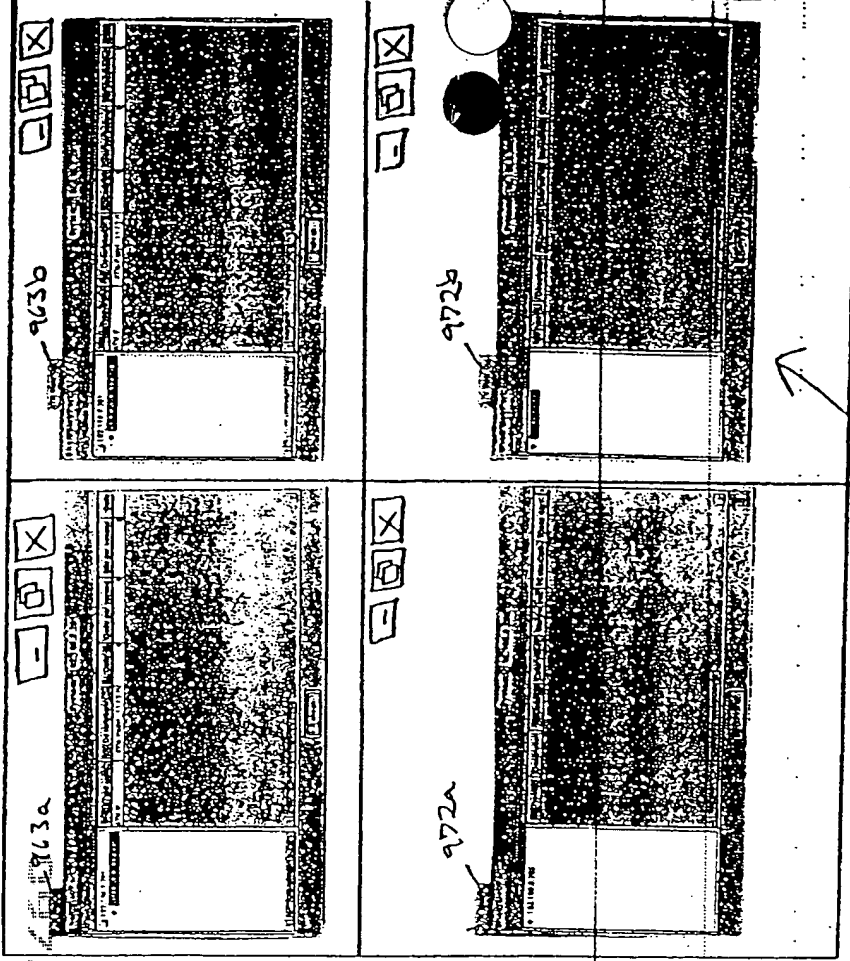
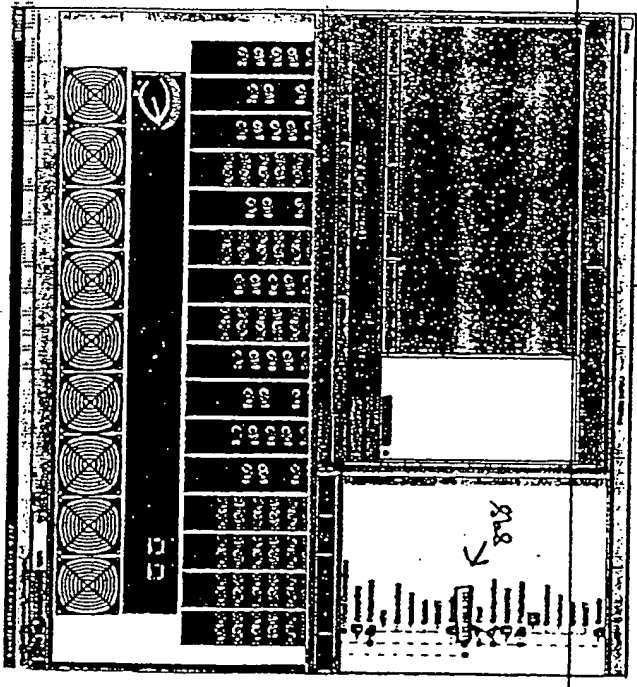


Fig. 9e.

969a

970a

970b

970a

970a

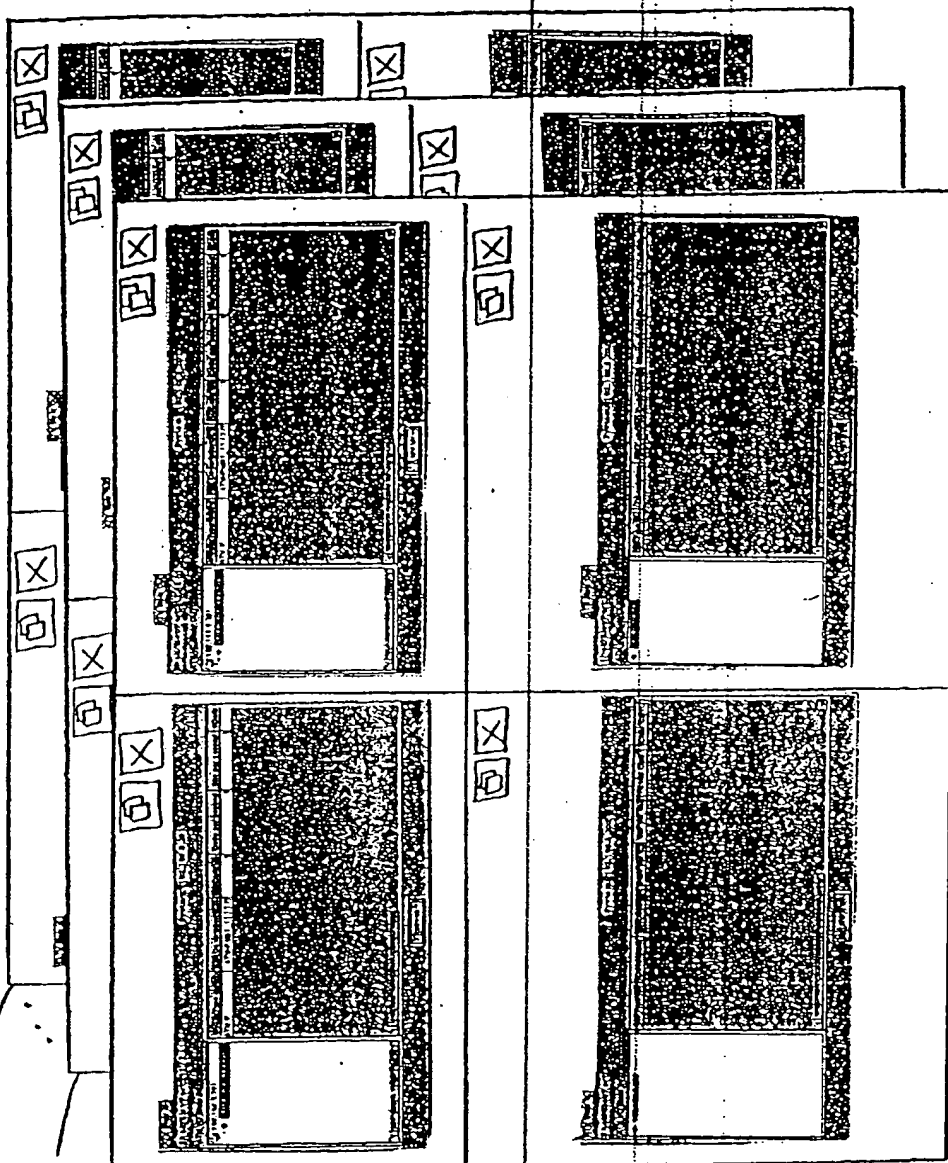
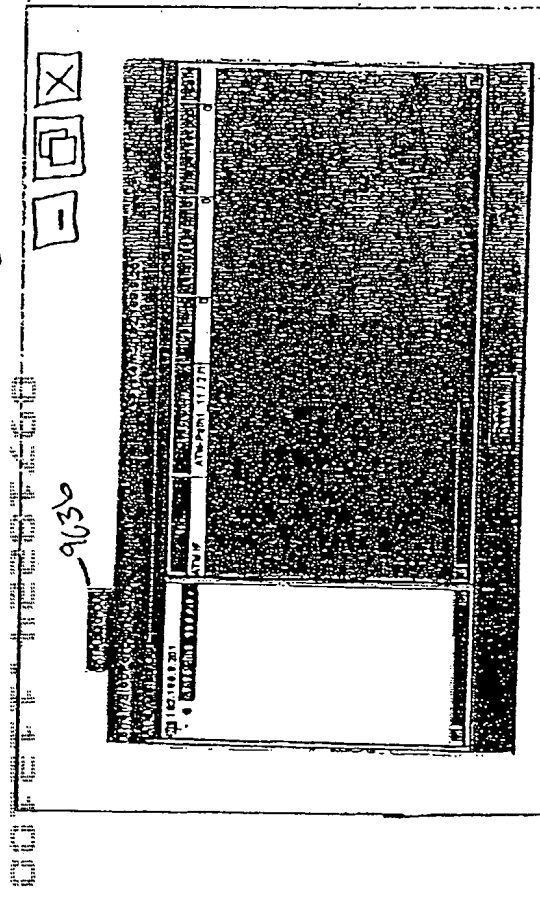
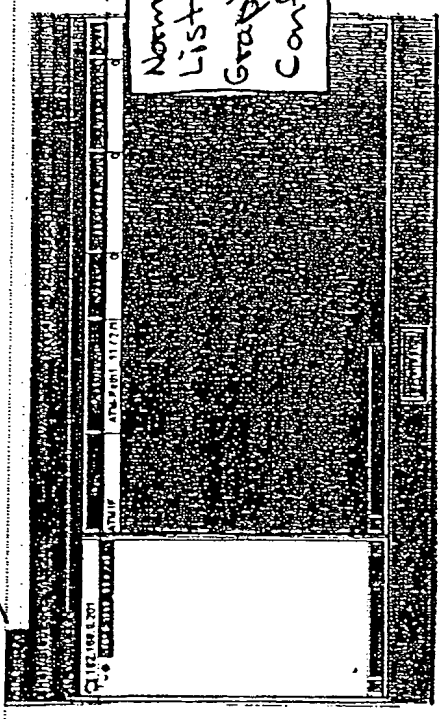


Fig. 9f

910a





963a

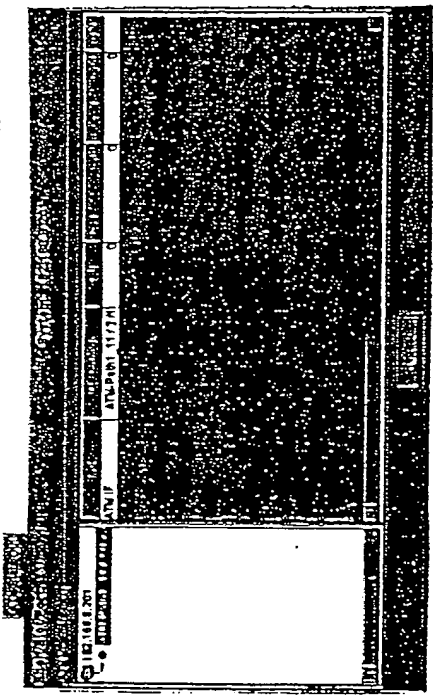


973

Normal — 973a
List — 973b
Graph — 973c
Config — 973d

Fig. 9g

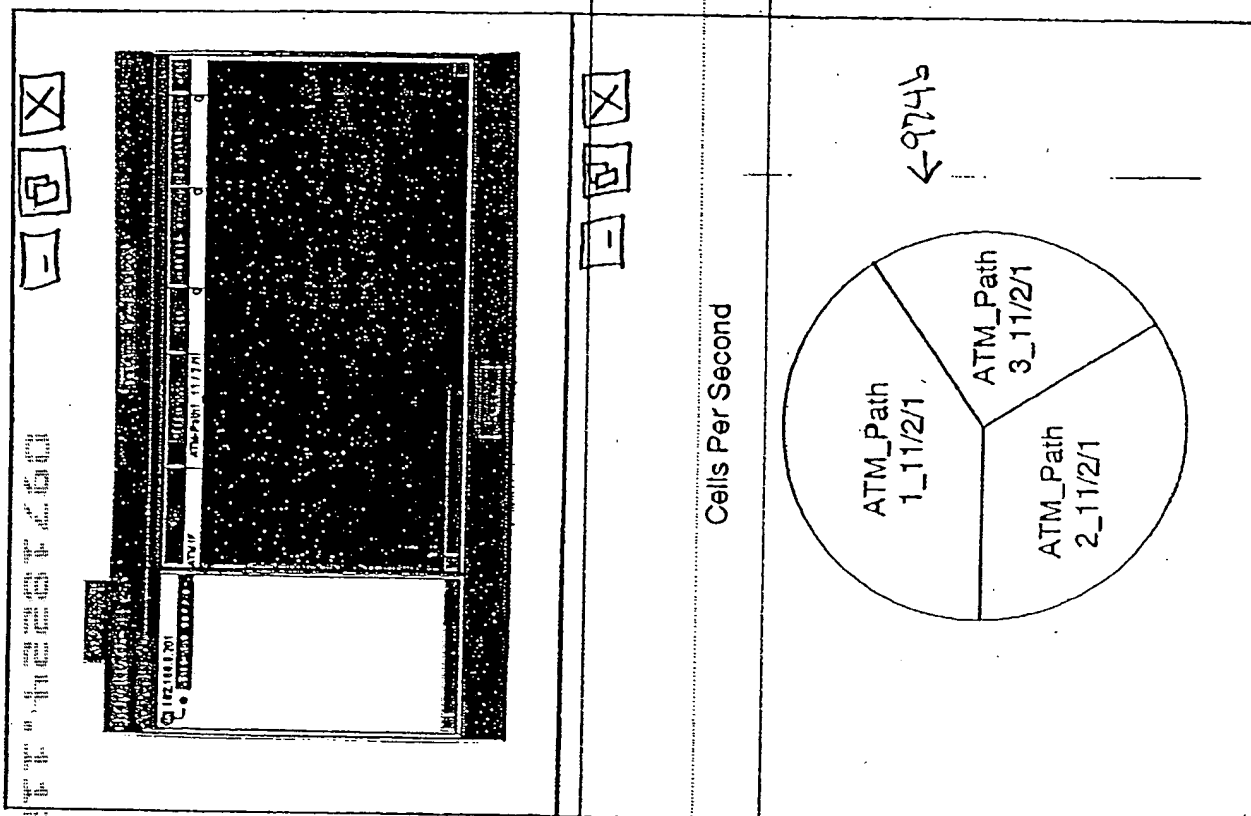




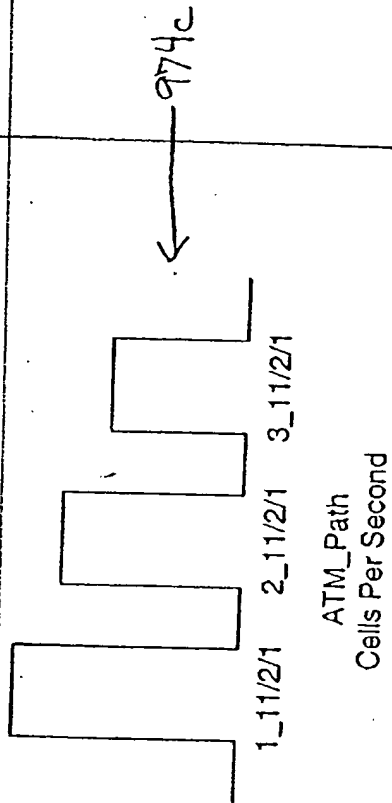
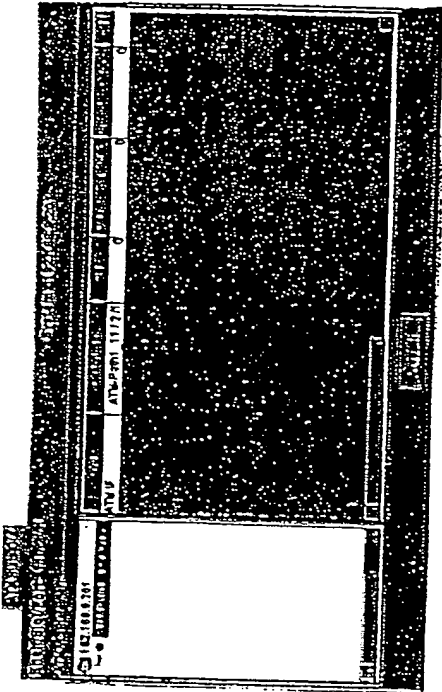
...

974a

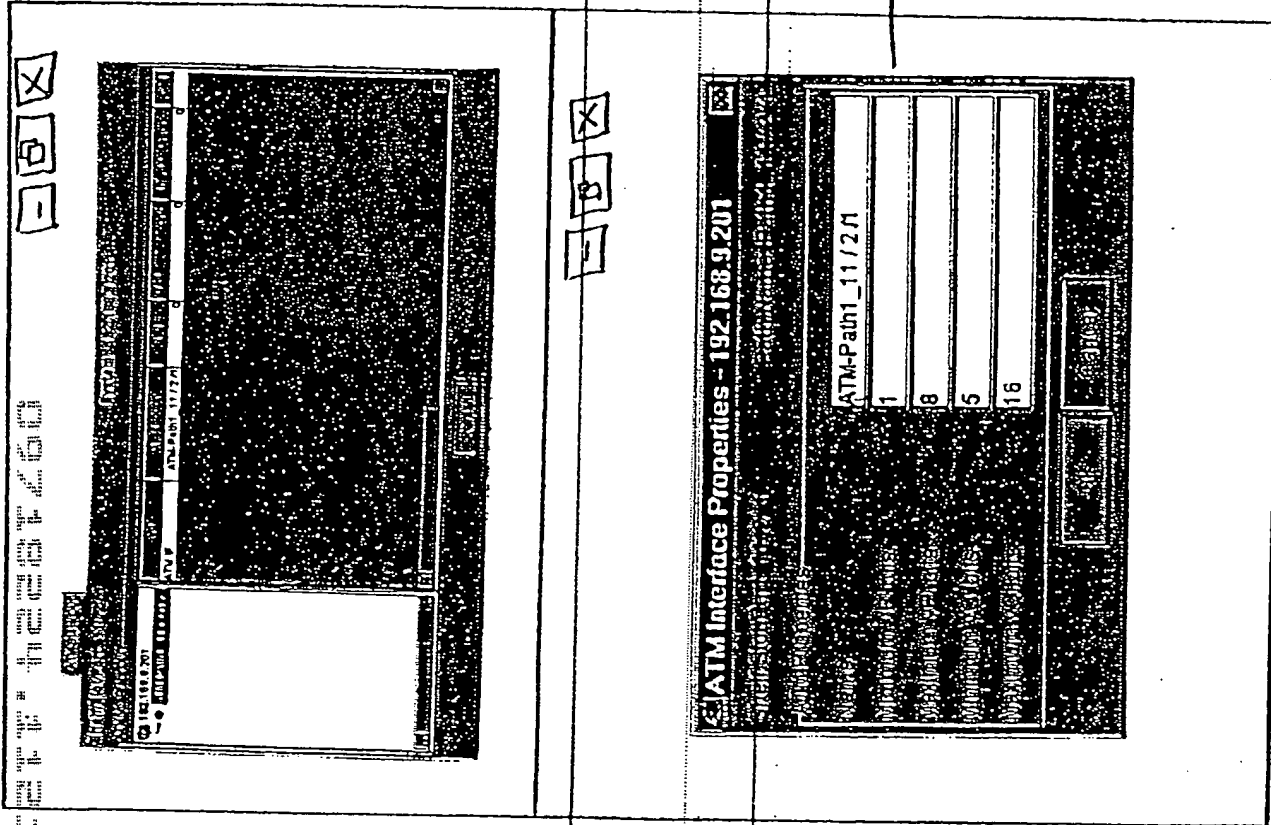
॥



☐ ☐ ☐



11-2



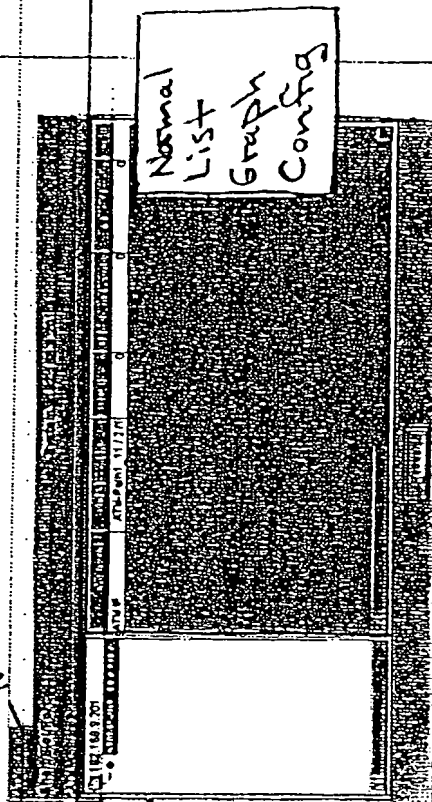
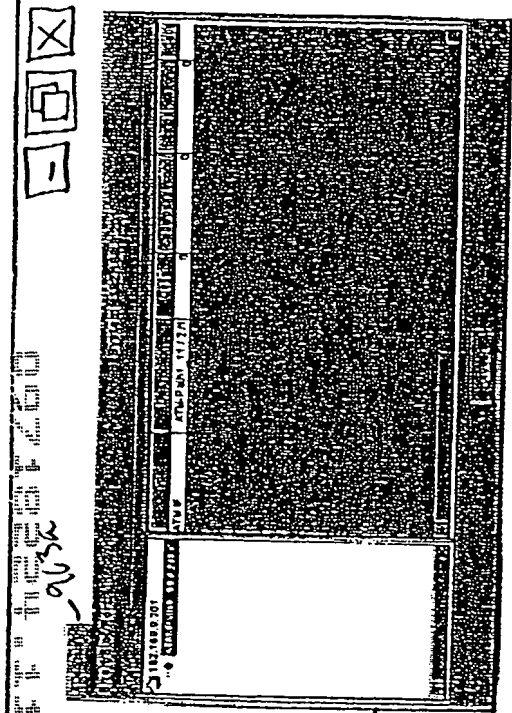
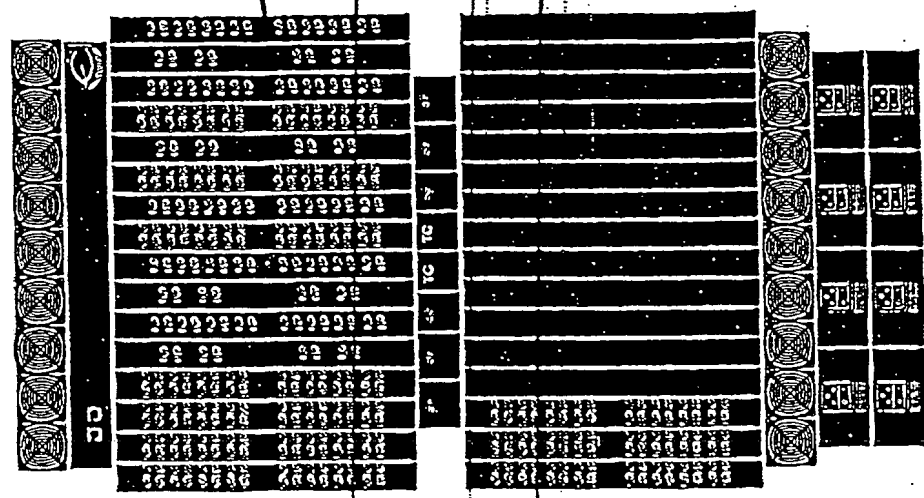


Fig. 91

410a

System: 192.168.9.201



895

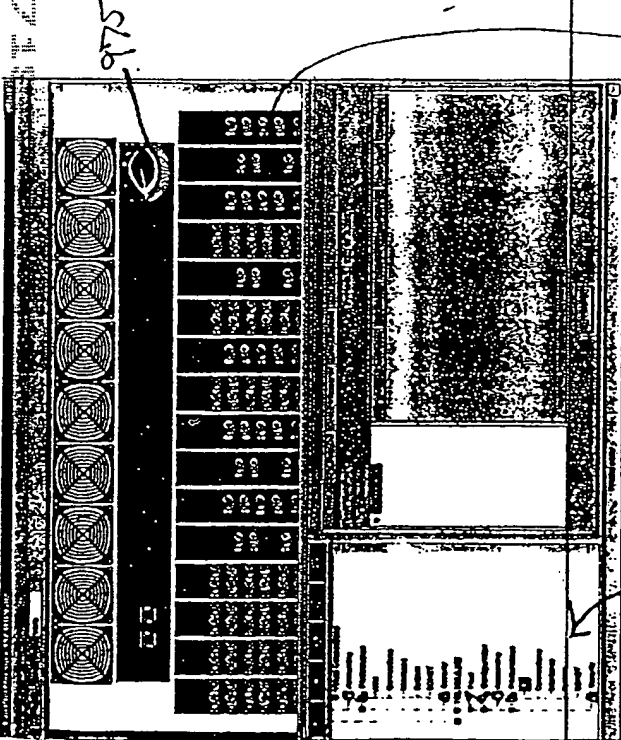
896a

895

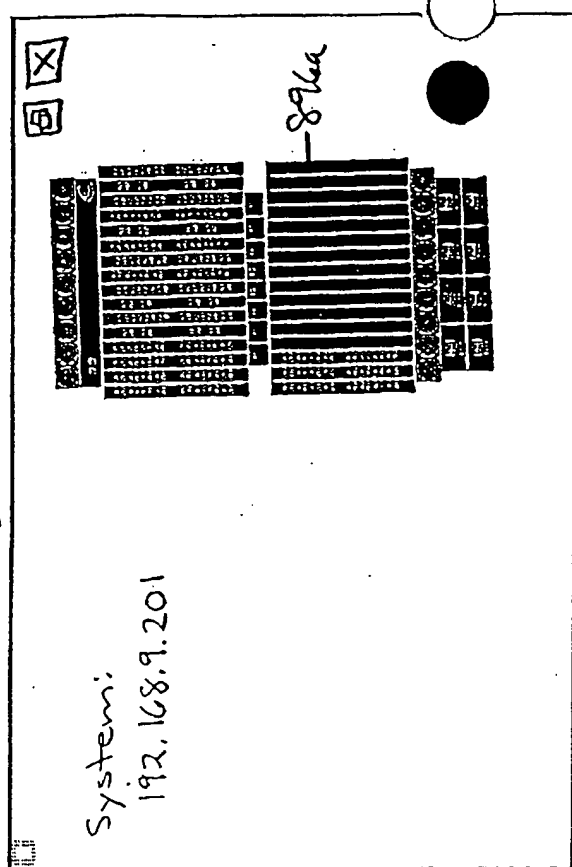
897

Fig. 9m

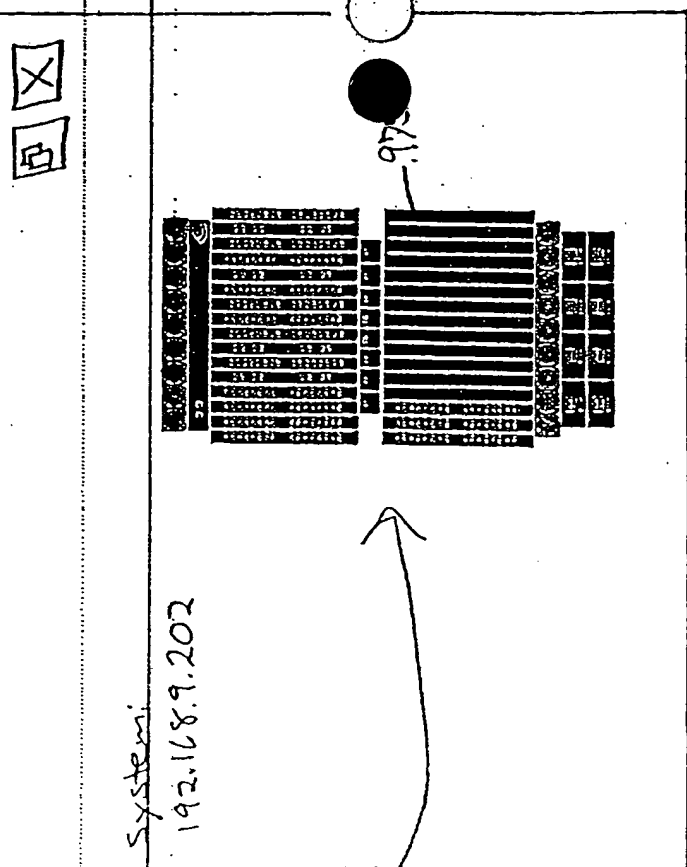
6873



6710a



System:
192.168.9.201



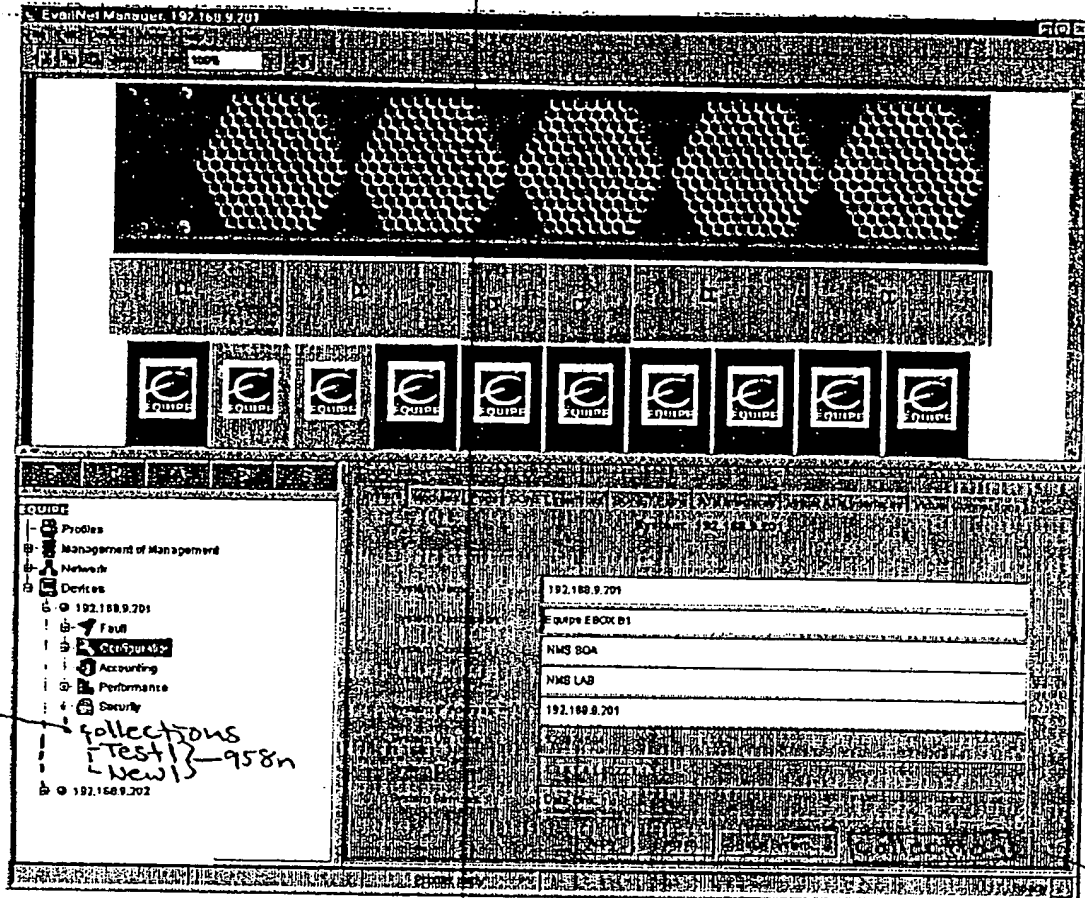
System:
192.168.9.202

9699

Fig. 9n

Fig. 10a

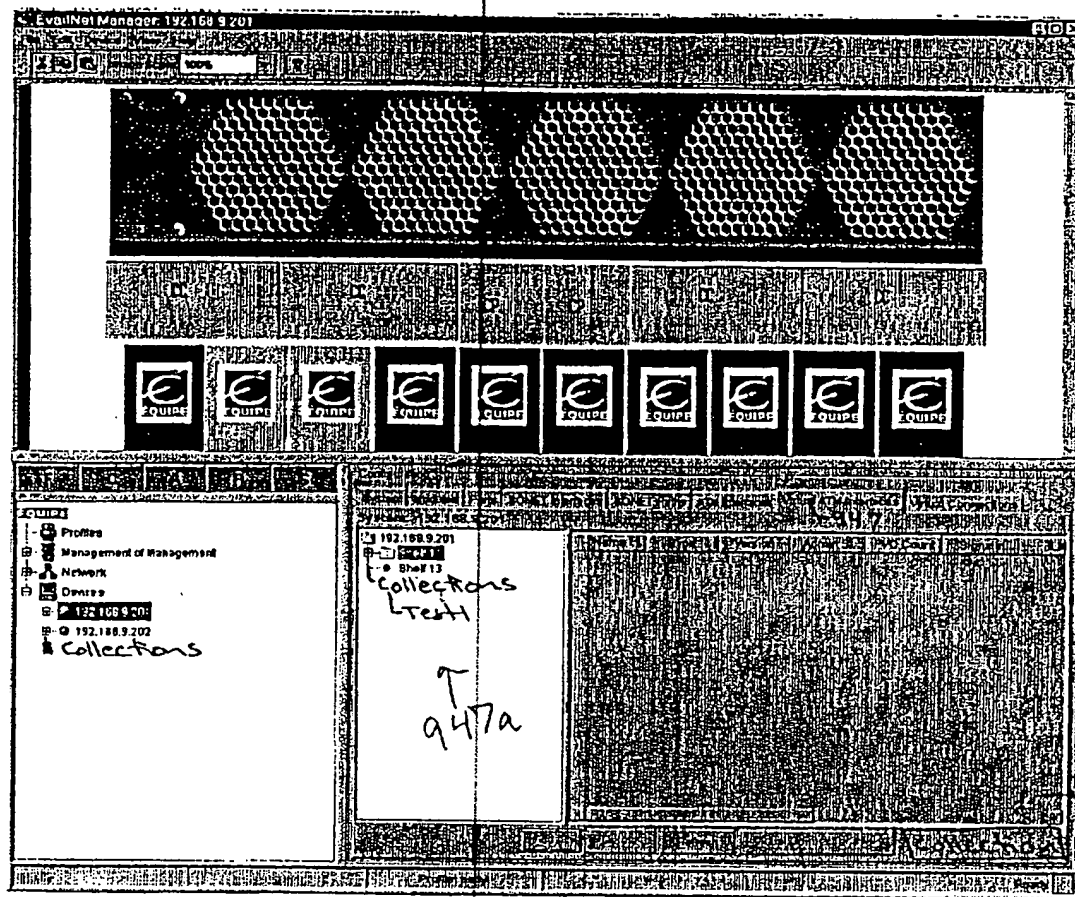
895



958m

468

Fig. 10b



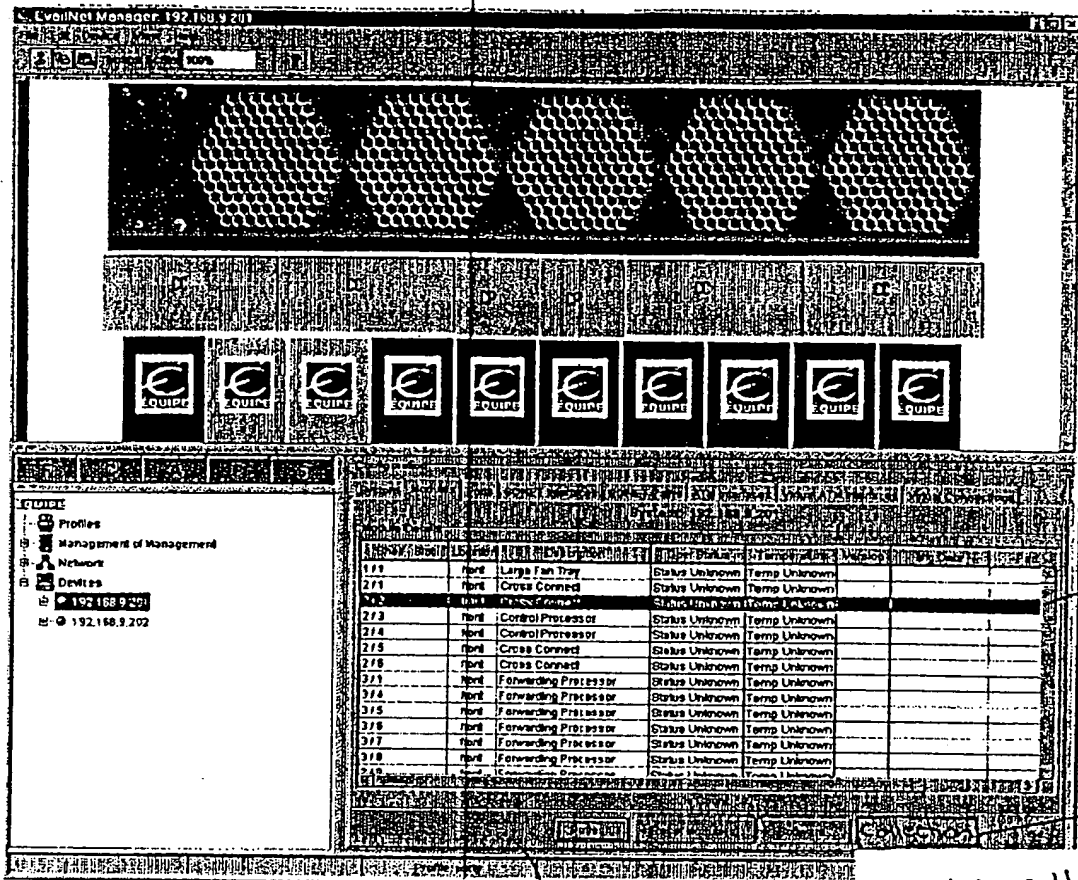


Fig. 10d

Add to Collection
New Collection

979c

979d

Collection Name:

OK

Fig. 10e

979e

Existing Collections:

Test1

New1

Walmart

Kmart

OK

Fig. 10f

979f

979g

895

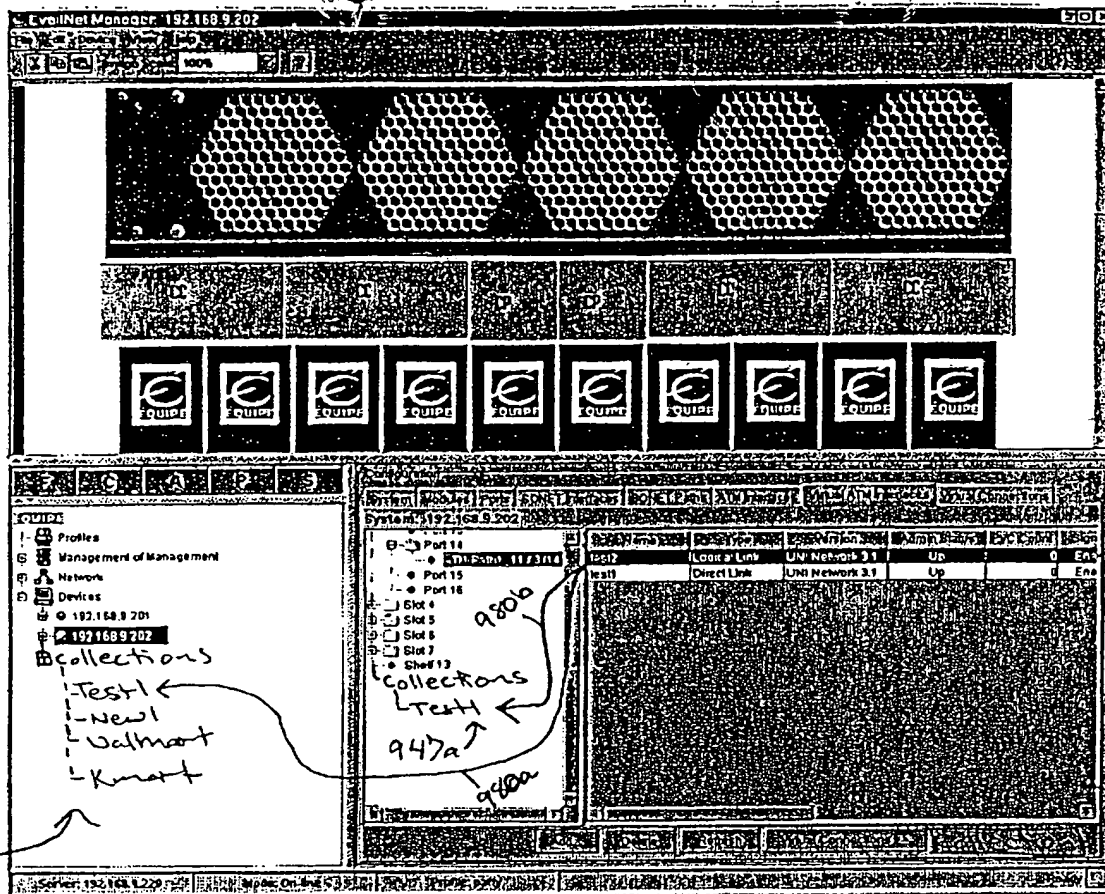


Fig. 10g

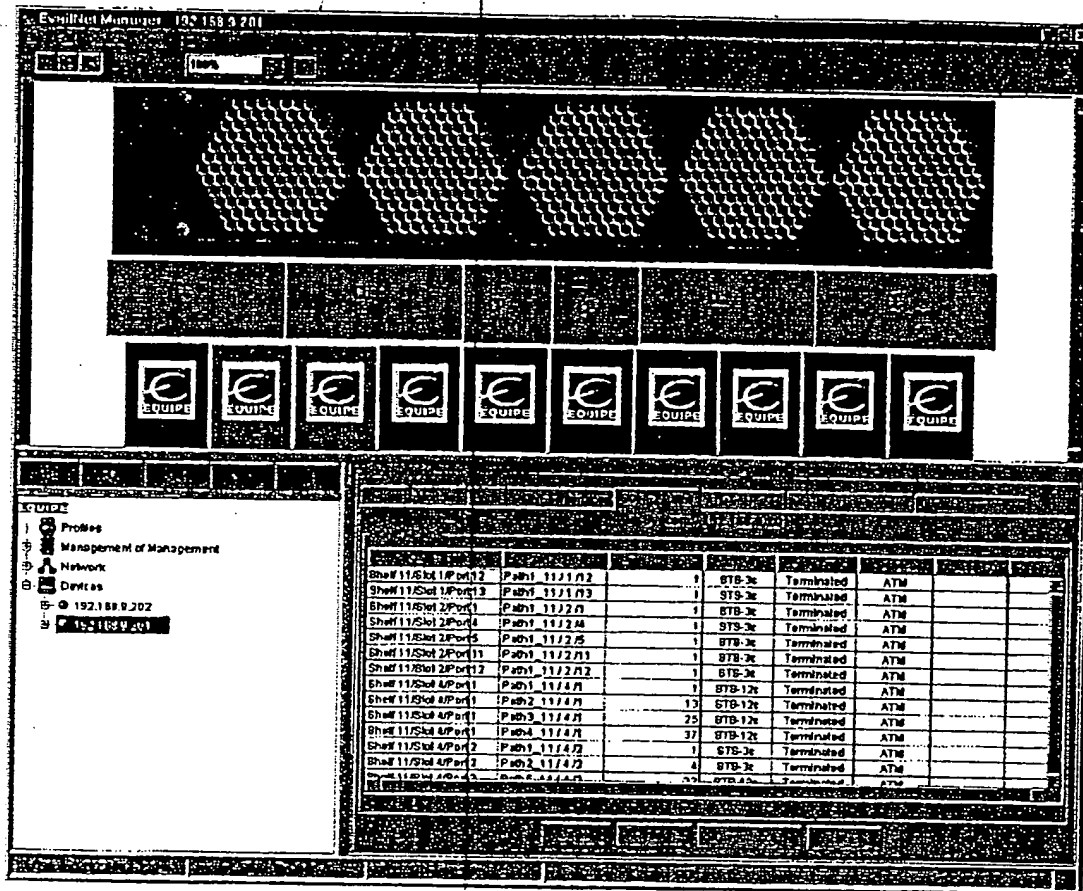
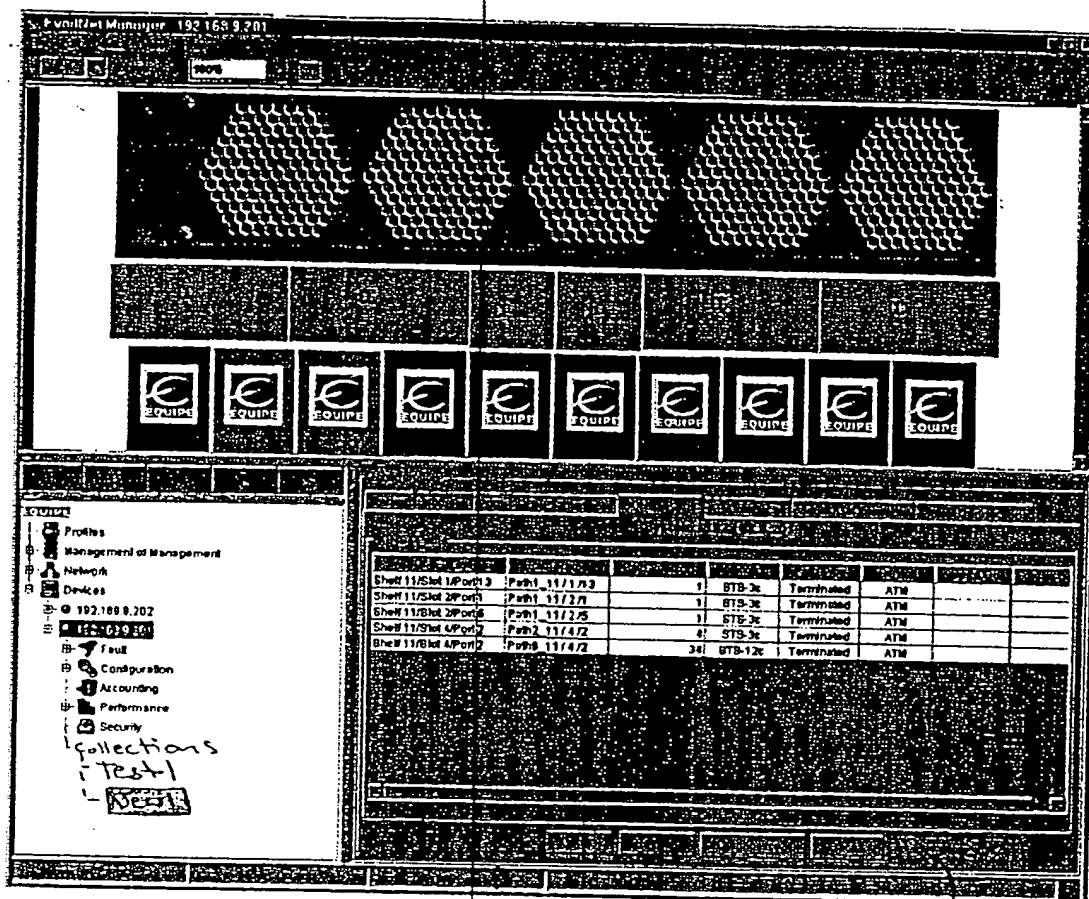


Fig. 10h



982

Fig. 10:

[illegible]

904

905

906

Fig. 11a

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$.

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 Minutes 908k

Servers

Primary Server: 192.168.1.220 908l

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READWRITE	Relay	Timeout
192.168.9.202	public	equipe	3	5
192.168.9.205	public	equipe	3	5
192.168.9.216	public	equipe	3	5

108g

908g 908h 908i 908j 908k 908l 908m 908n 908o 908p 908q 908r 908s 908t

OK Cancel

Fig. 11b

Fig. 11c

Primary Server: 192.168.1.220

Primary Server Port: 6500

Secondary Server: 192.168.1.205

Secondary Server Port: 6503

OK Cancel

908+

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	5	162
192.168.9.205	public	equipe	3	5	162
192.168.9.216	public	equipe	3	5	5012

Add Delete

OK Cancel

908+

Fig. 11d

2004-10-24 14:00:00

Fig. 11e

General Policies Servers Devices

Username: Kevin

Description: Kevin Snow user account

Customer Name: Equipe

Group Level Access: [dropdown]

Password: *****

Confirm Password: *****

OK Cancel

9084

General Policies Servers Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15 Minutes

OK Cancel

9084

Fig. 11f

Oct 24 2008 8:22 AM

F. g. 11 g

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

Servers

Primary Server: 192.168.1.220 908l

Primary Server Port: 6500 908n

Secondary Server: 192.168.1.221 908m

Secondary Server Port: 6503 908o

Devices

Device	READ	READWRITE	Relay	Timeout	Add	Delete
192.168.9.202	public	equipe	3	5		
Group List						
19	Walmart-East			▲		
19	Walmart-West					
	Kmart 1					
	scos-northeast			▼		

908g

1000a

1000

Fig. 11h

Fig. 11i

1002

EvailNet Manager: SONET Path Configuration - 11 / 8 / 5

Path 1 / 10

SONET Path Configuration

Path Name: Path1_11/8/5

Path ID: 1

Path Type: STS-3c

Path Status: Terminated

Path Length: ATM

Path Description: Path1_11/8/5

Path 1 / 10

Path Name: Path1_11/8/5

Path ID: 1

Path Type: STS-3c

Path Status: Terminated

Path Length: ATM

Path Description: Path1_11/8/5

Path 1 / 10

Path Name: Path1_11/8/5

Path ID: 1

Path Type: STS-3c

Path Status: Terminated

Path Length: ATM

Path Description: Path1_11/8/5

1002a

1002d

1002b

1002c

1002

EvailNet Manager: SONET Path Configuration - 11 / 8 / 5

Path 1 / 10

SONET Path Configuration

Path Name: Path1_11/8/5

Path ID: 1

Path Type: STS-3c

Path Status: Terminated

Path Length: ATM

Path Description: Path1_11/8/5

Path 1 / 10

Path Name: Path1_11/8/5

Path ID: 1

Path Type: STS-3c

Path Status: Terminated

Path Length: ATM

Path Description: Path1_11/8/5

Path 1 / 10

Path Name: Path1_11/8/5

Path ID: 1

Path Type: STS-3c

Path Status: Terminated

Path Length: ATM

Path Description: Path1_11/8/5

1002a

1002d

1002b

1002c

Fig. 11j

Fig. 11K

1002

EvailNet Manager: SONET Path Configuration - 11/8/5

Path Name: Path1_11/8/5

Path Length: 1

Path Type: STS-3c

Path Status: STS-3c

Path Description: STS-3c

Path Name	Path Length	Path Type	Path Status	Path Description
Path1_11/8/5	1	STS-3c	Termi...	ATM
Path2_11/8/5	4	STS-3c	Termi...	ATM
Path3_11/8/5	7	Termi...	ATM	

1002a

1002d

1002b

1002c

Add V-ATM Interface - 192.168.9.201

Serial Number: 192.168.9.201

Path Name: Path2_11/8/5

Interface Name: Path2_11/8/5

Interface Type: Direct Link

Version: UNI Network 3.1

Adaptation: Up

1004

1004b

1004a

1004c Fig. 11n

Fig. 11L

Managed Resource Group Table

1008

1008a	LID	Managed Device PID	Group Name	1008c
	1145	1	Walmart-East	1008d
	⋮	⋮	⋮	

Fig. 11M

Managed Resource Table

1007

1007a	LID	Resource LID	Manage Resource Group LID	1007c
	4443	901	1145	
	⋮	⋮	⋮	

1006

EvailNet Manager: 192.168.9.201 - Virtual Connection Wizard

Source: 192.168.9.201 Destination: 192.168.9.201

Source Point:

- 192.168.9.201
 - Shelf 11
 - Slot 1
 - Slot 2
 - Slot 3
 - Slot 4
 - Port 1
 - Port 2
 - ATM-Path2_11/4/2

Destination Point:

- 192.168.9.201
 - Shelf 11
 - Shelf 13

Connection Parameters

Connection Name:

Admin Status: Up ☐

Group Name: Group

Endpoint Parameters

VR: ☐ Use Any VR Value

VCI: ☐ Use Any VCI Value

Transmit Frame Description: Add Frame Description

Receive Frame Description: Add Frame Description

☒ Use the same Frame Description for both Transmit and Receive

Endpoint Parameters

VR: ☐ Use Any VR Value

VCI: ☐ Use Any VCI Value

Transmit Frame Description: Add Frame Description

Receive Frame Description: Add Frame Description

☒ Use the same Frame Description for both Transmit and Receive

1006a 1006b 1006c

Fig. 110

Fig. 11p

1010

User Table

1010a	1010b		1010c	1010d 1010e
	LID	Username	Password	
	2012	Dave	Marble	
	⋮	⋮	⋮	

Fig. 11q

1012

User Managed Device Table

1012a	1012b	1012c	1012d	1012e
LID	User LID	Host LID	Retry	Timeout
7892	2012	9046		
⋮	⋮	⋮	⋮	⋮

Fig. 11r

1014

Administration Managed Device Table

1014a	1014b	1014e					1014d
LID	Host Address	Port Address	Retry	Timeout	Admin. Password	Prov. Password	Viewer Password
9046	192.168.9.202	1521			team 1	team 2	team 3
1014c	⋮	⋮	⋮	⋮	⋮	⋮	⋮

Fig. 11s

1013

Add Delete Device Dlg [X]

1013a — Device Host: 192.168.1.202
1013b — Device Port: 1521
1013c — SNMP Retry:
1013d — SNMP Timeout:
1013e — Admin. Password:
1013f — Prov. Password:
1013g — Viewer Password:

1013h — **Add**

OK **Cancel** **Delete**

1013i

Fig. 11t

User Resource Group Map Table

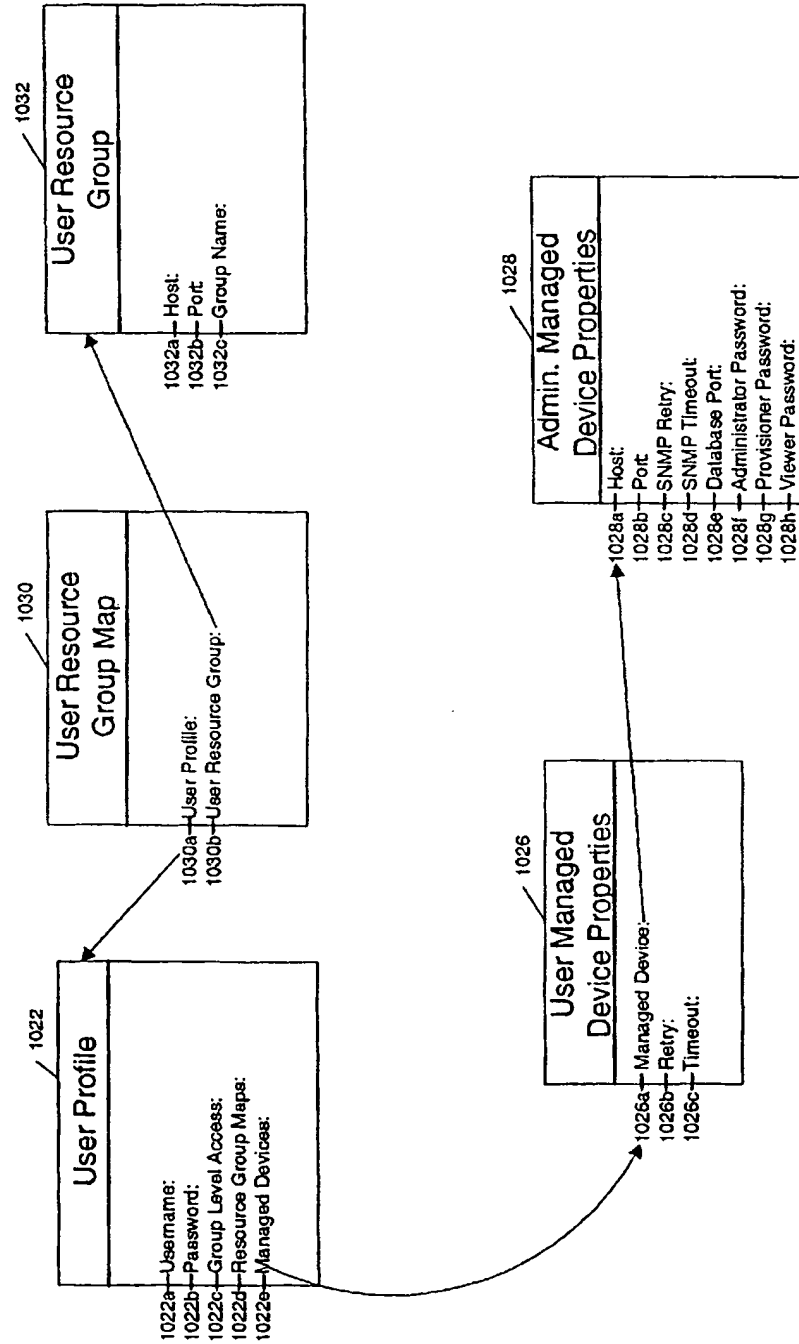
1016a	1016b		1016c	1016
	LID	User LID		
	8086	2012	1024	
	⋮	⋮	⋮	

Fig. 11u

User Resource Group Table

1018d	1018a	1018b	1018c	1018
	LID	Host LID	Group Name	
	1024	9046	Walmart-East	
	⋮	⋮	⋮	

Fig. 11v



Doc Ref ID: A66260

Fig. 11w

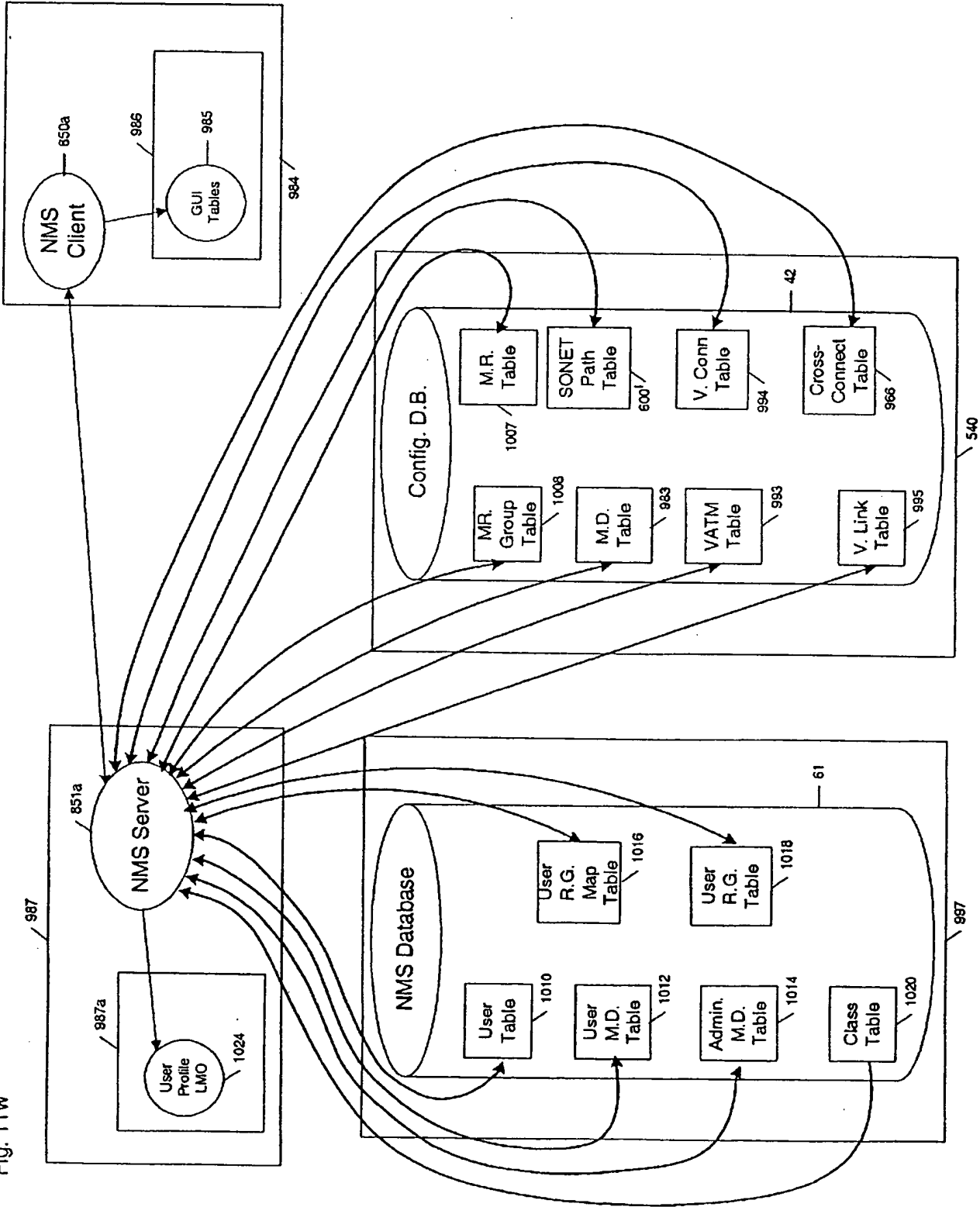


Fig. 11x

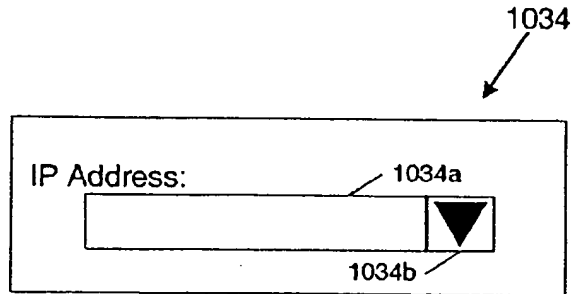
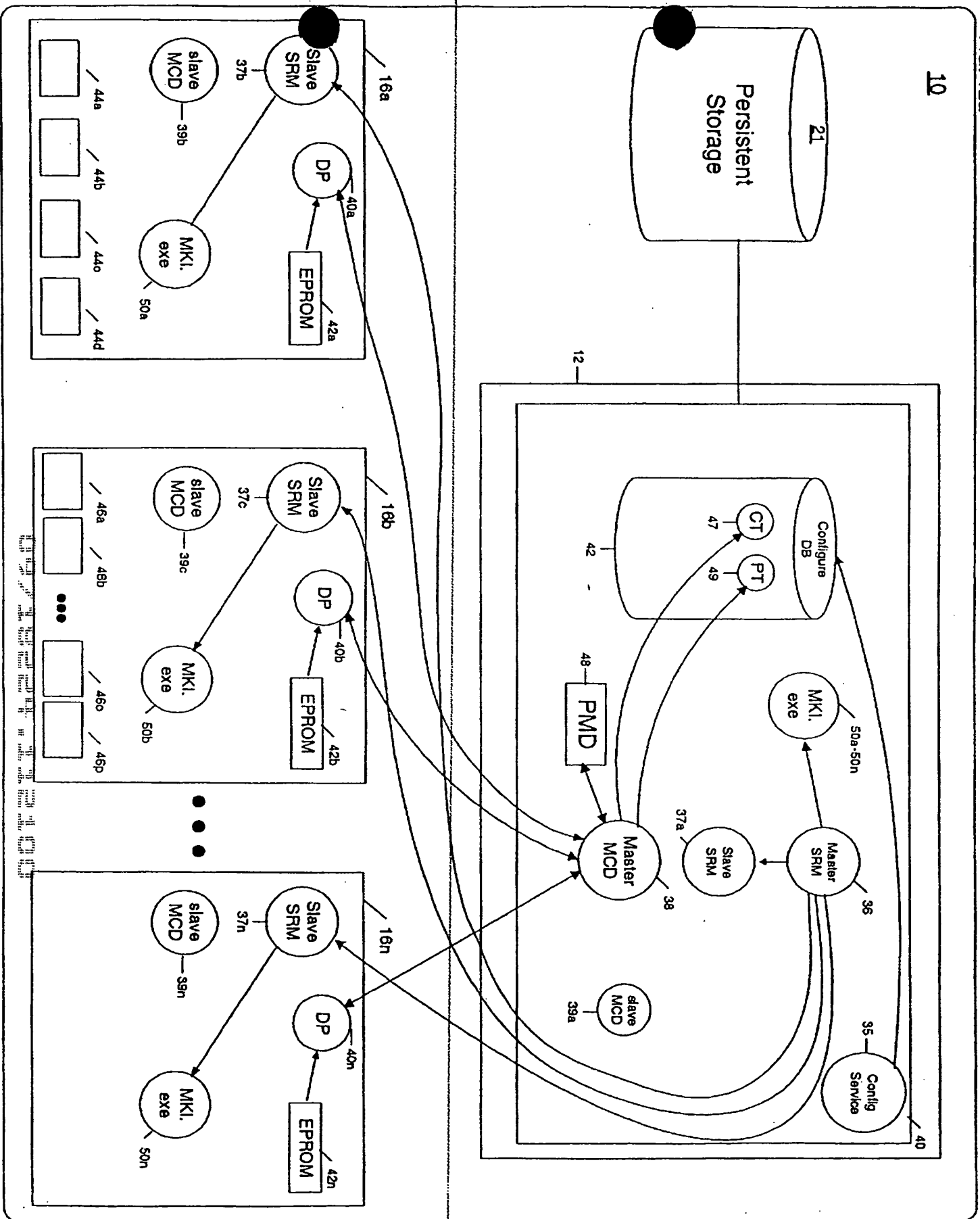


FIG. 12a



CARD TABLE

PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16 a — 500	0XF002	3	1	
16 b — 501	0XF002	4	2	
...
16 e — 505	0X6002	1	5	
...
16 n — 513	0XF002	1	12	
...

47

FIG. 12b

FIG. 12b is a schematic diagram of a card table.

PORT TABLE

PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a —	1500	00620	1	1
44b —	1501	00620	1	1
44c —	1502	00620	1	1
44d —	1503	00620	1	1
44a —	1504	00820		
46a —	1600	00620	1	8
...

FIG. 12c

[illegible]

FIG. 13a

10

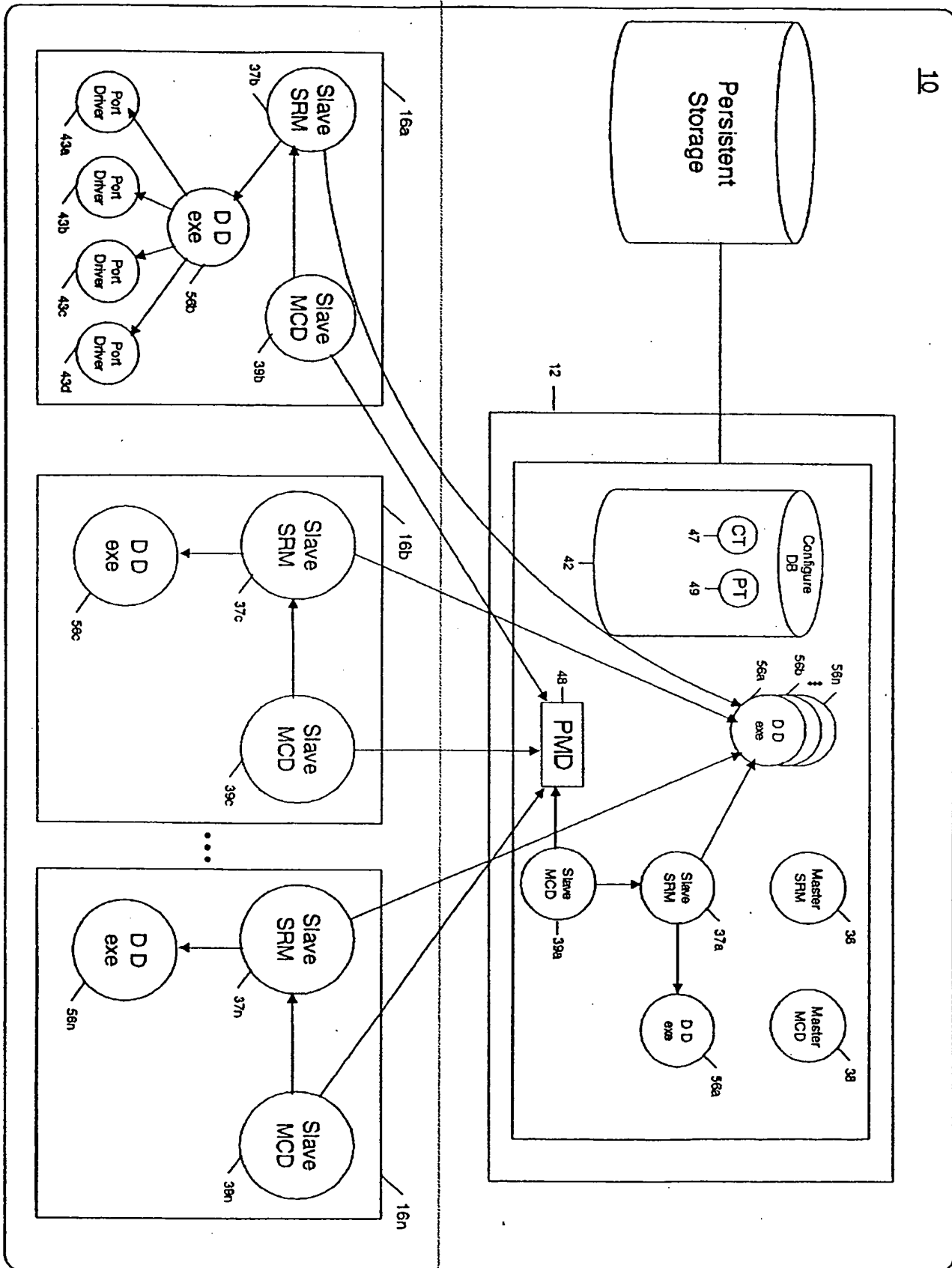


FIG. 13b

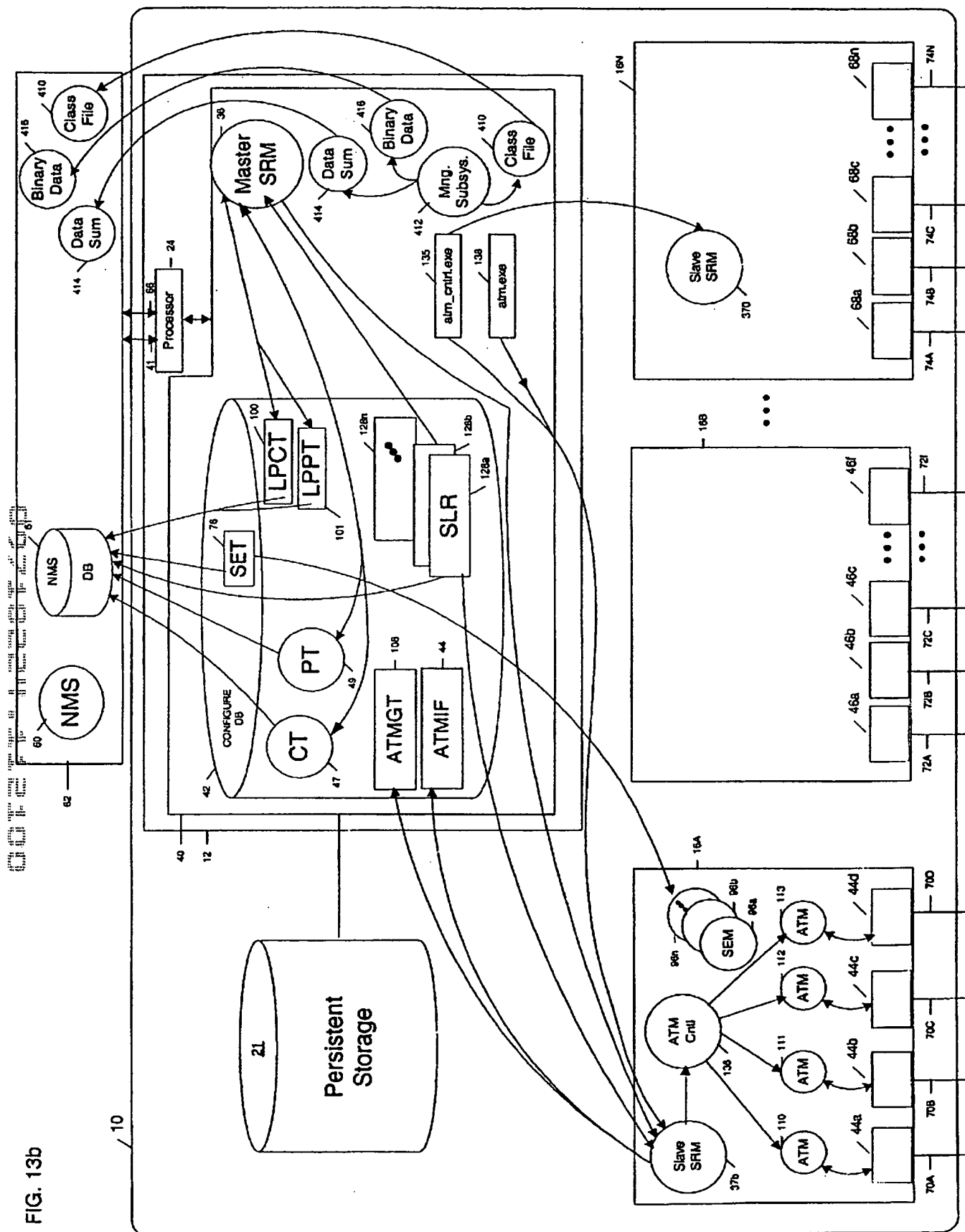


Fig. 13c

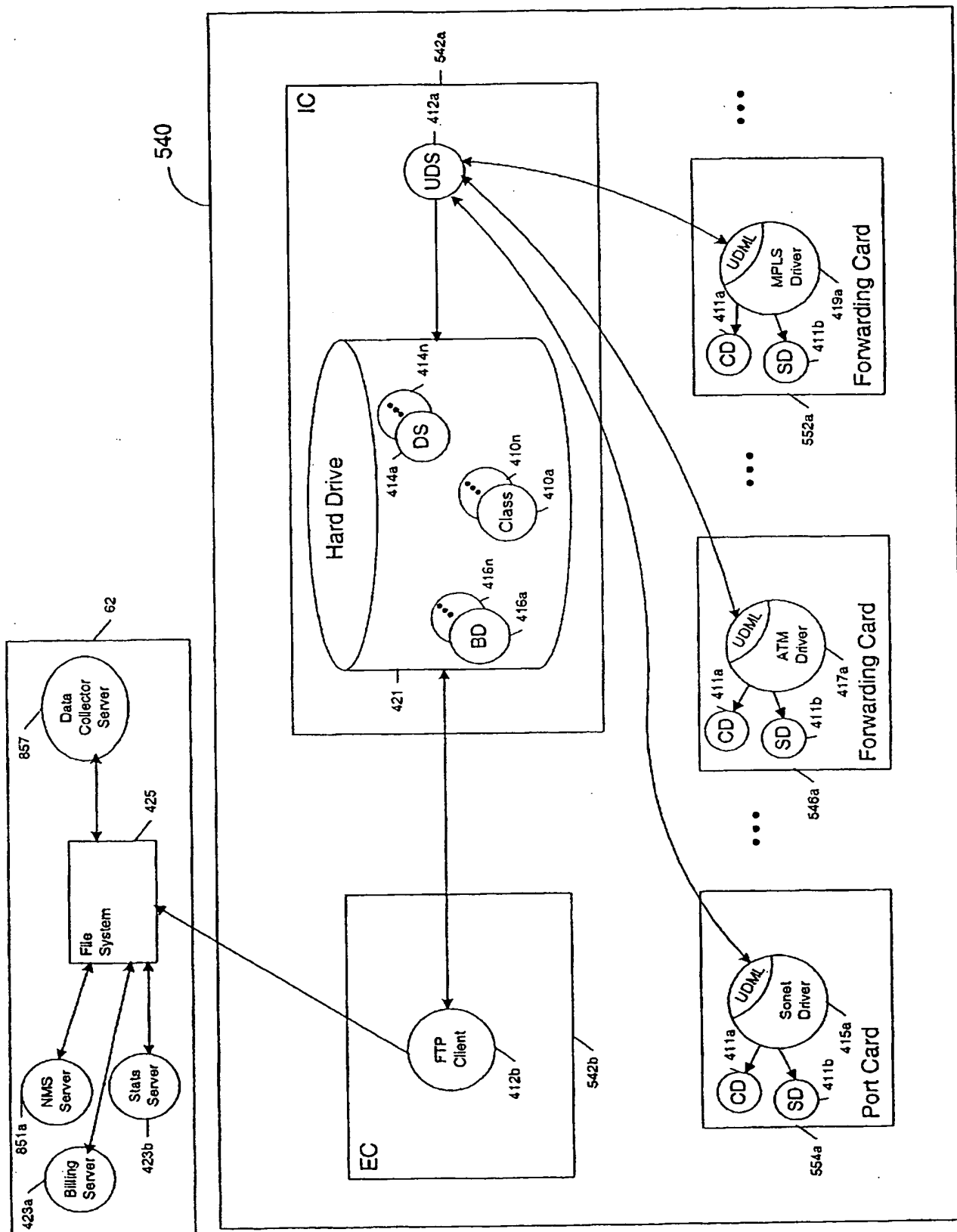


Fig. 13d

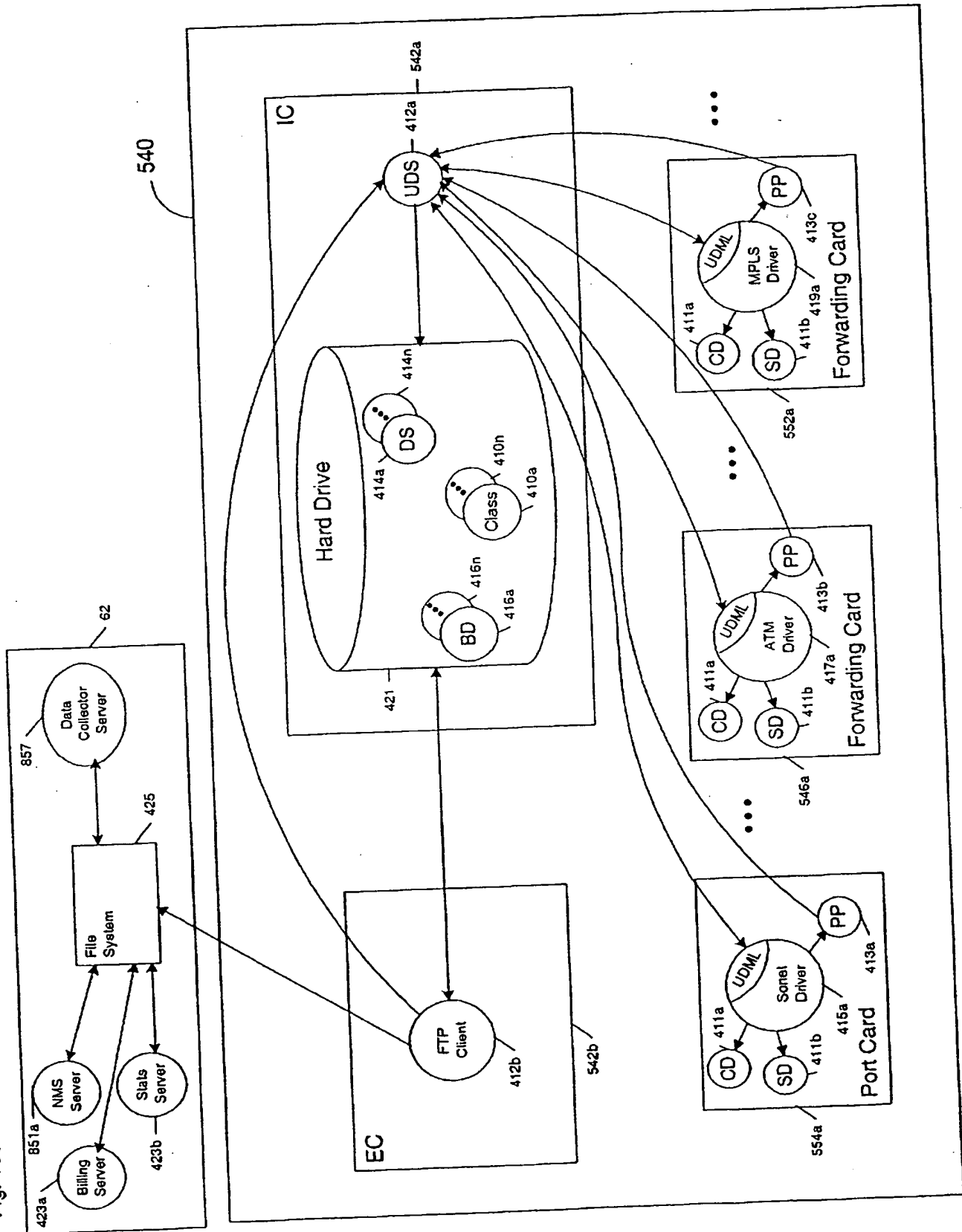


FIG. 14a

Service Endpoint Table 76

	Service Endpoint #	Port PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮

FIG. 14b

Logical to Physical Card Table 100

	LID	Primary PID	Back-up PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮

FIG. 14c

Logical to Physical Port Table 101

	LID	Primary PID	Back-up PID
107	40	1500	1600
	⋮	⋮	⋮

FIG. 14d

ATM Group Table 108

Group #	Card LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14e

ATM Interface Table 114

ATM IF	ATM Group	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14f

Software Load Record 128a

130	Control Shim	LID	132
134	atm-ctrl.exe	30	

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